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Idaho's State and Private Forest Resource

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RESEARCH SUMMARY

The State and private forest land base in Idaho amounts to 4.6 million acres of which nearly 4.2 million is classed as timberland. These acres support nearly 8 billion cubic feet of growing stock, including 34 billion board feet of sawtimber. The overall outlook for this resource is positive although a serious overcutting situation may be developing in the northern part of the State. This report presents additional information on total land area, timberland area, timber inventory, annual growth, mortality, and removals.

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Idaho's State and Private Forest Resource

Dwane D. Van Hooser Alan W. Green

INTRODUCTION

This bulletin presents the findings of the most recent Forest Survey of Idaho's privately owned forest resources. This survey was begun with prefield work in January 1980 and ended in May 1984 with the finished data compilation. The field phase of the survey required two seasons—the first from May to November 1980, the second from mid-May through September 1981.

The information on State lands in this bulletin was supplied by the Idaho Department of Lands and reformatted by the Forest Survey Research Work Unit in Ogden, UT.

The data in this report pertain only to the State and private forest resource base, and will be presented for the State as a whole, by individual survey unit (fig. 1), by individual county, and by the four major marketing zones (fig. 2). Data for lands administered by various public agencies such as National Forest Systems and Bureau of Land Management will be included in a subsequent, comprehensive report that will include all lands and all owners.

The primary objective of Forest Survey—a continuing, nationwide undertaking of the Forest Service, U.S. Department of Agriculture—is to provide an assessment



Figure 1.—Idaho counties and survey units.



Figure 2.—Marketing zones in Idaho (source: Idaho Forest Products Marketing Bulletin).

of the renewable resource situation for forest and rangelands of the Nation. Fundamental to the accomplishment of this objective are the periodic State-by-State resource inventories. Originally, Forest Survey was authorized by the McSweeney-McNary Act of 1928. The current authorization is through the Renewable Resources Research Act of 1978.

The Intermountain Research Station with headquarters in Ogden, UT, administers the forest resource inventories for the Rocky Mountain States of Arizona,

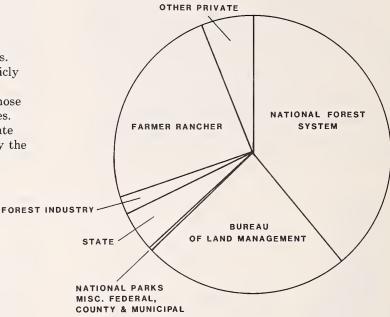
Colorado, Idaho, Montana, New Mexico, Nevada, Utah, Wyoming, western South Dakota, western Texas, and Oklahoma's Panhandle. These inventories provide information on the extent and condition of State and privately owned forest lands, volume of timber, and rates of timber growth, removals, and mortality. These data, when combined with similar information on Federal lands, provide a basis for forming forest policies and programs and for the orderly development and use of the resources.

HIGHLIGHTS

Area

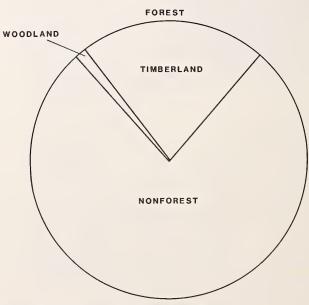
The land area of Idaho is about 52.9 million acres. Nearly 36.1 million of it (nearly 68 percent) is publicly owned.

The State of Idaho and private owners, about whose land this report is concerned, hold 19.5 million acres. The State has 2.6 million acres, nonindustrial private owners have about 15.6 million, and forest industry the other 1.3 million.

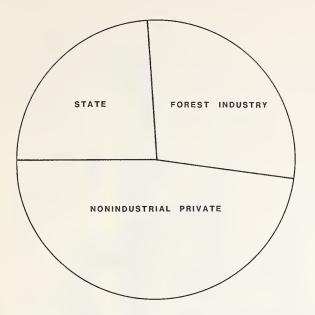


Distribution of land area in Idaho by ownership class.

Of the 19.5 million acres of State and private land, about 4.6 million is forested; 93 percent is timberland and 7 percent is classified as woodland.



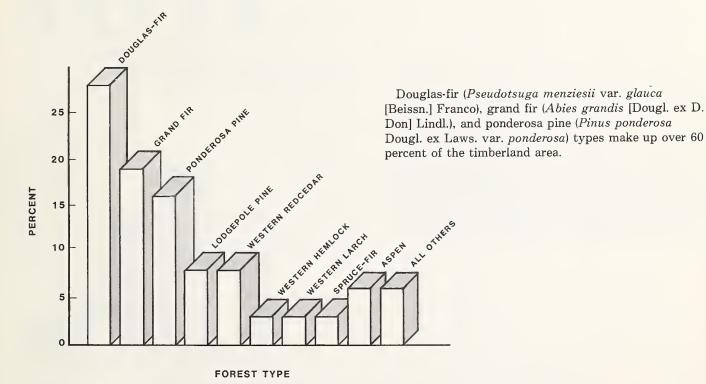
Distribution of State and private land area by type of land.



Distribution of State and private timberland by ownership class.

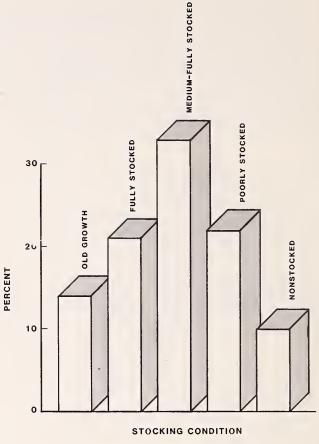
Timberland

Area.—Nearly half of the timberland in State and private holdings is in nonindustrial ownership. The remainder is roughly divided evenly between the State and forest industry holdings.



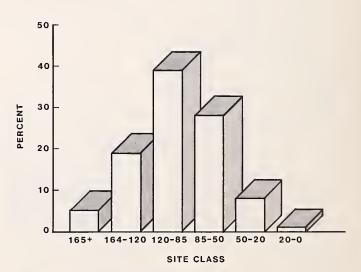
Distribution of State and private timberland by forest type.

Roughly 14 percent of the State and private timberland is in old growth stands. Medium to fully stocked stands occupy more than half of the timberland acres. About 10 percent of the timberland area is nonstocked. And about 70 percent of the nonstocked area is in the Douglas-fir and ponderosa pine types.

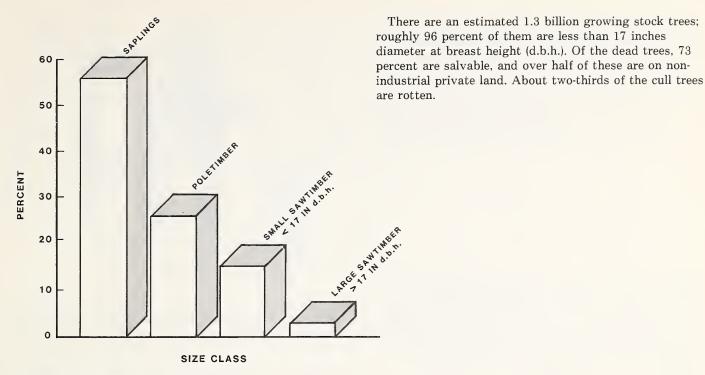


Distribution of State and private timberland by stocking class.

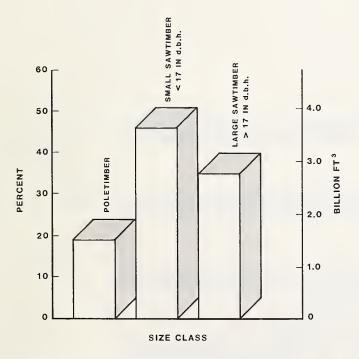
Idaho's timberland is among the most productive in the Western United States. Nearly two-thirds of the timbered acres have the potential to produce more than 85 cubic feet per acre per year and about a fourth could potentially produce 120 cubic feet per acre per year or more.



Distribution of State and private timberland by site class.



Distribution of trees on State and private timberland by tree size class.



Distribution of growing stock volume on State and private timberland by tree size class.

Volume.—Growing stock volume amounts to nearly 8 billion cubic feet, and sawtimber totals some 34 billion board feet. Rough, rotten, and salvable dead trees contribute an additional 453 million cubic feet.

About 86 percent of the growing stock volume is in sawtimber size stands and 10 percent in poletimber stands. The distribution by owner groups is roughly in the same proportion.

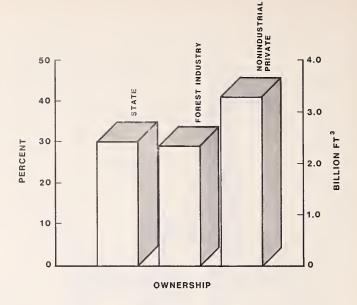
About 65 percent of the growing stock volume is in trees less than 17 inches d.b.h., and more than three-fourths of the sawtimber volume is in trees less than 21 inches d.b.h.

About 70 percent of the growing stock volume is on private land. Nonindustrial owners control slightly more volume than forest industry (10 percent more) but own nearly half again as much timberland.

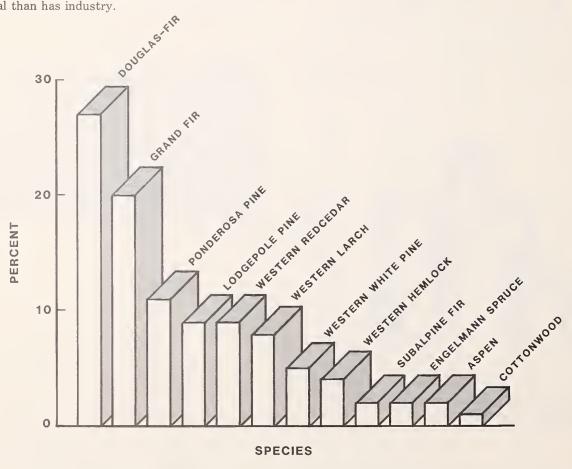
Douglas-fir, ponderosa pine, western redcedar (*Thuja plicata* Donn ex D. Don), and lodgepole pine (*Pinus contorta* Dougl. ex Loud.) make up about 60 percent of the growing stock volume, roughly the same proportion as timberland area occupied by those types. Nonindustrial private lands support over half the Douglas-fir, ponderosa pine, and lodgepole pine growing stock

Nonindustrial owners have about 40 percent of the sawtimber volume. The State has about 5 percent more of the total than has industry.

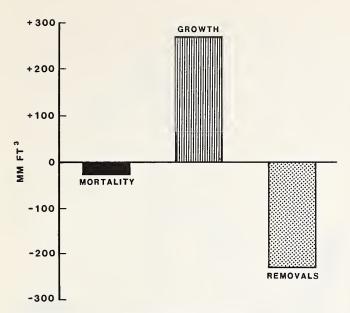
volume.



Distribution of growing stock volume on State and private timberland by ownership class.



Distribution of growing stock volume on State and private timberland by species.

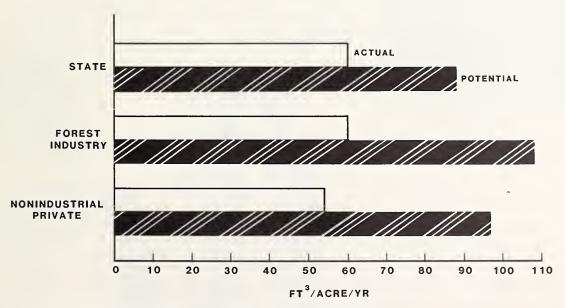


Components of change on State and private timberland.

Components of Change.—On an annual basis, gross growth of growing stock is increasing the standing volume about 3.4 percent or slightly more than one-quarter million cubic feet. Mortality, however, reduces this increment by 28 million cubic feet (108 million board feet of sawtimber), while removals from growing stock amount to 227 million cubic feet.

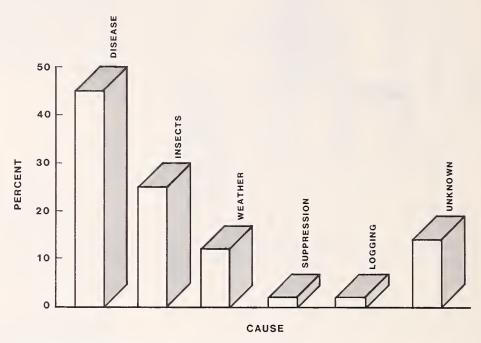
Thus, the inventory is increasing a mere 16 million cubic feet per year or 0.2 percent.

The current net annual growth per acre is 57 cubic feet, slightly more than half of the potential of 98 cubic feet per acre. The highest potential growth per acre is on forest industry lands and equals 108 cubic feet per acre per year. Acres managed by the State of Idaho are achieving nearly 70 percent of their potential net annual growth.



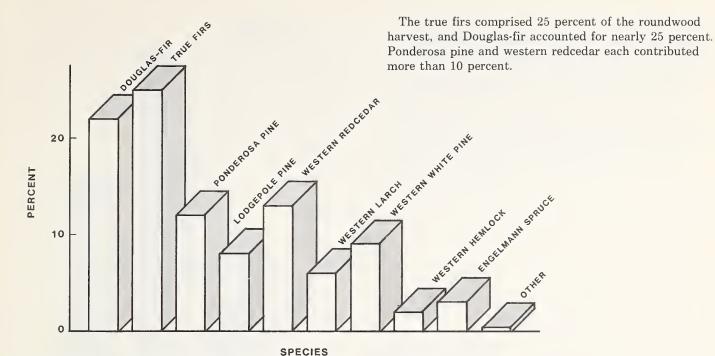
Actual vs. potential growth on State and private timberland by ownership class.

Disease was the major cause of mortality accounting for 45 percent of all dead trees. Another 25 percent succumbed to insect attacks.

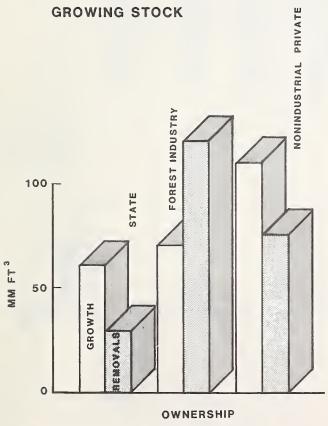


Distribution of mortality from growing stock on State and private timberland by cause.

The removal of 227 million cubic feet of growing stock and 1,307 million board feet of sawtimber represents 3 percent of the growing stock inventory and nearly 4 percent of the sawtimber inventory. Nearly 90 percent of total removals went to industrial roundwood products. Sawlogs were the major product accounting for more than 60 percent of the harvest. Pulpwood and veneer logs combined for more than a third of the harvest.



Distribution of removals from growing stock on State and private timberland by species.

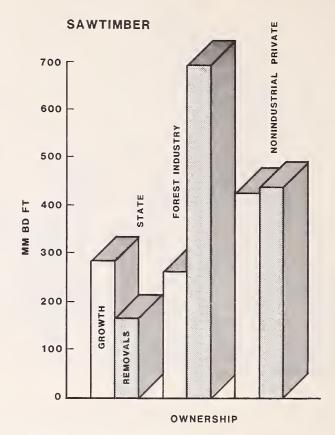


Net annual growth and annual removals from growing stock on State and private timberland by ownership class.

The growth/removals ratio for growing stock is 1.07, indicating an increasing inventory. The ratio for saw-timber is 0.75, meaning a declining inventory.

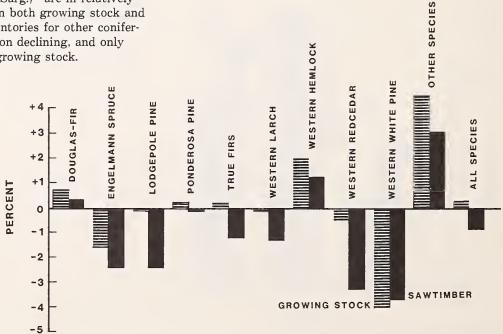
The growth/removals ratio by ownership indicates that State and nonindustrial private holdings are increasing while forest industry lands are being harvested at a rate nearly twice their growth.

The sawtimber inventories are growing faster than they are being harvested on State-managed lands only. The forest industry and nonindustrial private acres are in a declining condition.



Net annual growth and annual removals from sawtimber on State and private timberland by ownership class.

Two coniferous species—Douglas-fir and western hemlock (*Tsuga heterophylla* [Raf.] Sarg.)—are in relatively good condition showing gains in both growing stock and sawtimber. The sawtimber inventories for other coniferous species are without exception declining, and only two show a positive return to growing stock.

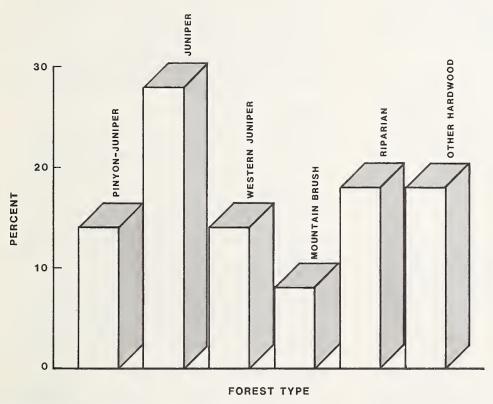


Change in growing stock and sawtimber inventory on State and private timberland by species.

Woodlands

Woodland accounts for 7 percent of the State and privately owned forested area. These acres are concentrated south of the Salmon River. Nearly 80 percent of the woodland acres is in nonindustrial private ownership. An additional 18 percent is administered by the State.

More than half of these acres are dominated by juniper, either Rocky Mountain (*Juniperus scopulorum* Sarg.), Utah (*J. osteosperma* [Torr.] Little), or western (*J. occidentalis* Hook.).



Distribution of State and private woodland by forest type.

Net volume on woodland amounted to 134 million cubic feet of which 3 percent is in timberland species.

Woodland areas are growing at an annual rate of 3,044 thousand cubic feet, or 9.6 cubic feet per acre. Mortality amounted to 104 thousand cubic feet or 3.4 percent of the annual growth.

HOW THE INVENTORY WAS CONDUCTED

The inventory was designed to provide reliable statistics primarily at the State and working circle levels.

Prefield

Initial area estimates were based on the classification of 216,482 sample points systematically placed on the latest aerial photographs available. The sample points were summarized and grouped into strata for subsequent field sampling. The photo points, adjusted to meet known land areas, were used to compute area expansion factors for the sampling strata means.

Field

Land classification and estimates for timber characteristics and volume were based on observations and measurements recorded at 2,826 ground sample locations, of which 550 were forested. Sample trees were selected using a 5-point cluster, which includes 1/300-acre fixed radius plots for trees less than 5 inches d.b.h., and 40 basal area factor variable radius plots for trees 5 inches d.b.h. or larger.

Compilation

All photo and field data were loaded onto tape and stored for computer editing, computation, and tabulation. Final estimates from these data were based on statistical summaries, a portion of which are included in this bulletin.

DATA RELIABILITY

Individual cells within tables should be used with caution. Some are based on very small sample sizes, which may result in high sampling errors. The standard error percentages shown in tables 1 and 2 were calculated at the 67 percent confidence level.

TERMINOLOGY

The following section contains definitions that are relevant to the timber resource data presented in this resource bulletin.

Land

Area of dry land and land temporarily or partly covered by water, such as marshes, swamps, and river flood plains; streams, sloughs, estuaries, and canals less than 120 feet in width; and lakes, reservoirs, and ponds less than 1 acre in size.

Water

Streams, sloughs, estuaries, and canals more than 120 feet in width; and lakes, reservoirs, and ponds more than 1 acre in size.

Land Use Classes

Forest Land.—Land at least 10 percent stocked by forest trees of any size, or formerly having had such tree cover, and not currently developed for nonforest use.

Timberland.—Forest land at least 10 percent stocked with timber species that are producing or capable of producing crops of industrial wood and not reserved. Currently areas that may be inaccessible or inoperable are included.

Reserved Forest Land.—Forest land withdrawn from timber utilization through statute or administrative designation.

Woodland.—Forest land less than 10 percent stocked with timber species and not reserved.

Nonforest Land.—Land that has never supported forests, and lands formerly forested where use for timber management is precluded by development for other uses.

Public Ownership Classes

National Forest Lands.—Federal lands legally designated as National Forest or purchase units and other lands under the administration of the Forest Service, including experimental areas and Bankhead-Jones Title III lands.

Bureau of Land Management Lands.—Federal lands administered by the Bureau of Land Management.

Miscellaneous Federal Lands.—Federal lands other than (1) National Forest lands and (2) lands administered by the Bureau of Land Management.

State Lands.—Lands owned by States or lands leased to these governmental units for 50 years or more.

County and Municipal Lands.—Lands owned by counties and local public agencies or municipalities, or lands leased to these governmental units for 50 years or more.

Private Ownership Classes

Forest Industry Lands.—Lands owned by companies or by individuals operating wood-processing plants.

Farmer-Owned Lands.—Lands owned by farm operators. These exclude lands leased by farm operators from such nonfarm owners as railroad companies and States.

Other Private Lands.—Privately owned lands other than forest industry and farmer-owned lands.

Forest Type and Tree Species

Forest Types.—A classification of forest land based upon the species forming a plurality of live-tree stocking.

Forest Trees.—Woody plants having a well-developed stem or stems, usually more than 12 feet in height at maturity, with a more or less well defined crown.

Timber Species.—Forest tree species presently or prospectively suitable for industrial wood products.

Woodland Species.—Forest tree species not usually converted into conventional industrial wood products.

Softwoods.—Monocotyledonous trees, usually evergreen having needles or scalelike leaves.

Hardwoods.—Dicotyledonous trees, usually broadleaved and deciduous.

Area Condition Classes

Stocking.—Stocking is an expression of the extent to which growing space is effectively utilized by present or potential growing stock trees of timber species. "Percent of stocking" is synonymous with "percentage of growing space occupied" and means the ratio of actual stocking to full stocking for comparable sites and stands. Basal area is used as a basis for measuring stocking.

"Stocking percentages" express current area occupancy in relation to specified standards for full stocking based on number, size, and spacing of trees considered necessary to fully utilize the forest land.

Full utilization of the site is assumed to occur over a range of basal area. As an interim guide, 60 percent of normal yield table values has been used to establish the lower limit of this range, which represents full-site occupancy, and equals 60 percent stocking. The upper limit of full stocking has been set at 80 percent.

Class 10.—Areas fully stocked (60 to 80 percent) with desirable trees and not overstocked (80 percent or more).

Class 20.—Areas fully stocked with desirable trees, but overstocked with all live trees.

Class 30.—Areas medium to fully stocked (35 to 60 percent) with desirable trees and with less than 20 percent of the area controlled by other trees and/or inhibiting vegetation or surface conditions that will prevent occupancy by desirable trees.

Class 40.—Areas medium to fully stocked with desirable trees and with 30 percent or more of the area controlled by other trees, or conditions that ordinarily prevent occupancy by desirable trees, or both.

Class 50.—Areas poorly stocked (10 to 35 percent) with desirable trees, but fully stocked with growing stock trees.

Class 60.—Areas poorly stocked with desirable trees, but with medium to full stocking of growing stock trees.

Class 70.—Areas nonstocked (less than 10 percent) or poorly stocked with desirable trees, and poorly stocked with growing stock trees.

Class 80.—Low-risk old-growth stands.

Class 90.—High-risk old-growth stands.

Nonstocked.—Areas less than 10 percent stocked with growing stock trees.

Productivity

Productivity Class.—A classification of forest land in terms of potential growth in cubic feet of fully stocked natural stands.

Stand-Size Classes

Sawtimber Stands.—Stands at least 10 percent stocked with growing stock trees, with half or more of total stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to poletimber stocking.

Poletimber Stands.—Stands at least 10 percent stocked with growing stock trees in which half or more of this stocking is in poletimber or sawtimber trees, or both, and with poletimber stocking exceeding that of sawtimber.

Sapling-Seedling Stands.—Stands at least 10 percent stocked with growing stock trees in which more than half of the stocking is saplings, seedlings, or both.

Nonstocked Land.—Timberland that is less than 10 percent stocked with growing stock trees.

Class of Timber

Growing Stock Trees.—Live trees of timber species qualifying as desirable or acceptable trees. (Excludes rough, rotten, and dead trees of timber species and woodland species.)

Desirable Trees.—Growing stock trees (1) having no serious defect in quality to limit present or prospective use for timber products, (2) of relatively high vigor, and (3) containing no pathogens that may result in death or serious deterioration before rotation age.

Acceptable Trees.—Growing stock trees meeting specified standards of size and quality, but not qualifying as desirable trees.

Rough Trees.—Live trees that are timber species that do not contain at least one 12-foot sawlog or two non-contiguous sawlogs, each 8 feet or longer, now or prospectively, and/or do not meet Rocky Mountain regional specifications for freedom from defect primarily because of roughness or poor form.

Rotten Trees.—Live trees that are timber species that do not contain at least one 12-foot sawlog or two non-contiguous sawlogs, each 8 feet or longer, now or prospectively, and/or do not meet Rocky Mountain regional specifications for freedom from defect primarily because of rot; that is, when more than 50 percent of the cull volume (cubic-foot basis) in a tree is rotten.

Salvable Dead Trees.—Standing or down dead trees that are considered merchantable by Rocky Mountain regional standards.

Sawlog Portion.—That part of the bole of sawtimber trees between the stump and the sawlog top. A 1-foot stump is used.

Upper-Stem Portion.—That part of the bole of sawtimber trees above the sawlog top to a minimum top diameter of 4 inches outside bark or to the point where the central stem breaks into limbs, whichever occurs first.

Tree-Size Classes

Seedlings.—Live trees less than 1 inch d.b.h.

Saplings.—Trees 1 to 4.9 inches d.b.h.

Poletimber Trees.—Trees that are timber species at least 5 inches d.b.h., but smaller than sawtimber size.

Sawtimber Trees.—Trees that are timber species and exceed poletimber size. In the Intermountain States, the minimum d.b.h. for softwood sawtimber is 9 inches and for hardwoods 11 inches.

Volume

Cull Volume.—Portions of a tree's volume that are not usable for industrial wood products because of rot, form, or other defect.

Net Volume.—Gross volume less deductions for cull. Growing Stock Volume.—Net volume in cubic feet of live sawtimber trees and live poletimber trees from stump to a minimum 4-inch top (of central stem) outside bark. Net volume equals gross volume less deduction for rot and missing bole sections.

Sawtimber Volume.—Net volume in board feet of sawtimber trees of timber species. Net volume equals gross volume less deduction for rot, sweep, crook, and other defects that affect use for lumber.

Components of Change

Net Annual Growth.—The increase in net growing stock or sawtimber volume of a specified size class for a specific year. Components of net annual growth include the increment in net volume of trees at the beginning of the specific year surviving to its end, plus the net volume of trees reaching the size class during the year, minus the net volume of trees that died during the year, minus the net volume of trees that became rough or rotten trees during the year.

Mortality.—Number or sound-wood volume of growing stock trees dying from natural causes during a specified period, usually annually.

Removals.—The net volume of growing stock or saw-timber trees removed from the inventory by harvesting, including the unused portions of growing stock or saw-timber trees cut or killed by logging, and cultural operations such as timber stand improvement, land clearings, and changes in land use.

FOREST SURVEY TABLES

Table 1.--Area of State and privately owned forest land in Idaho with percent standard error, 1981

	Soft	woods	Har	dwoods	All types		
Item	Acres	Percent standard error	Acres	Percent standard error	Acres	Percent standard error	
Timberland	3,936,793	±1.0	311,321	± 9.5	4,248,114	±1.0	
Woodland	176,076	±5.8	140,302	±17.3	316,378	±7.4	
Reserved forest land: ¹ Timberland Woodland			 				
Total forest land	4,112,869		451,623		4,564,492		

¹Reserved land areas are estimated from aerial photos without field verification; therefore, standard errors are not calculated.

Table 2.--Net volume, net annual growth, and annual mortality of growing stock and sawtimber on State and privately owned timberland in Idaho with percent standard error

Softwoods		Hardwoods		All species	
Volume	Percent standard error	Volume	Percent standard error	Volume	Percent standard error
7,670,468	±2.8	292,077	±11.7	7,962,545	±2.7
	±3.0	•	±18.7		±2.9
28,602,782	±3.0	545,003	±18.9	29,147,785	±3.0
229.676	+4 0	13.588	±17 0	243 264	±3.9
		-			±3.8
857,085	±3.7	19,675	±23.5	876,760	±3.7
25 572	+12 3	2 295	+30 8	27 857	±11.7
- /		•			±11.7
				•	±12.5
	7,670,468 33,811,844 28,602,782 229,676 958,279	Volume standard error 7,670,468 ±2.8 33,811,844 ±3.0 28,602,782 ±3.0 229,676 ±4.0 958,279 ±3.8 857,085 ±3.7 25,572 ±12.3 104,293 ±12.7	Volume standard error Volume 7,670,468 ±2.8 292,077 33,811,844 ±3.0 632,031 28,602,782 ±3.0 545,003 229,676 ±4.0 13,588 958,279 ±3.8 23,036 857,085 ±3.7 19,675 25,572 ±12.3 2,285 104,293 ±12.7 3,635	Volume standard error Volume error standard error 7,670,468 ±2.8 292,077 ±11.7 33,811,844 ±3.0 632,031 ±18.7 28,602,782 ±3.0 545,003 ±18.9 229,676 ±4.0 13,588 ±17.0 958,279 ±3.8 23,036 ±24.7 857,085 ±3.7 19,675 ±23.5 25,572 ±12.3 2,285 ±39.8 104,293 ±12.7 3,635 ±75.4	Volume Percent standard error Volume standard error Volume error 7,670,468 ±2.8 292,077 ±11.7 7,962,545 33,811,844 ±3.0 632,031 ±18.7 34,443,875 28,602,782 ±3.0 545,003 ±18.9 29,147,785 229,676 ±4.0 13,588 ±17.0 243,264 958,279 ±3.8 23,036 ±24.7 981,315 857,085 ±3.7 19,675 ±23.5 876,760 25,572 ±12.3 2,285 ±39.8 27,857 104,293 ±12.7 3,635 ±75.4 107,928

¹International ¼-inch rule.

²Scribner rule.

Table 3.--Total land and water area in Idaho by ownership class, 1981

Ownership class	Area
Land:	Acres
National Forest Bureau of Land Management National Park Service Miscellaneous Federal lands County and municipal State Private: Forest industry ¹	20,422,830 12,620,859 87,142 166,547 120,629 2,649,073
Nonindustrial private: Farmer-rancher Other	12,605,283 2,946,773
Total nonindustrial private	15,552,056
Total private	16,823,996
Total land area	52,891,076
Census water	590,159
Total land and water ²	53,481,235

¹Forest industry is a component of private ownership, but because of its importance to the Idaho timber supply situation, area and resource statistics are shown separately in this and other tables dealing with owner groups in this report.

²U.S. Bureau of the Census, land and water area of the United States, 1980.

Table 4.--Total land area in State and private ownership in Idaho by major land class and ownership class, 1981

Land class	State	State Forest Noi industry		Total
			- Acres	
Timberland Woodland	1,029,980 57,826	1,178,147 10,180	2,039,987 248,372	4,248,114 316,378
Total	1,087,806	1,188,327	2,288,359	4,564,492
Nonforest land	1,561,267	83,613	13,263,697	14,908,577
Total land area	2,649,073	1,271,940	15,552,056	19,473,069

Table 5.--Cubic feet of net volume in trees on State and privately owned forest land in Idaho by species and ownership class, 1981

		Ownership o	lass	
Species	State	Forest industry	Nonindustrial private	Total
		Thous	and cubic feet -	
Douglas-fir Ponderosa pine Western white pine Lodgepole pine Limber pine Western larch Grand fir Subalpine fir Engelmann spruce Western hemlock Western redcedar Aspen Cottonwood	562,044 194,811 217,045 164,118 377 175,713 504,146 58,735 83,893 106,633 262,305 61,621 6,063	467,252 142,582 67,373 136,458 191,240 665,841 62,436 72,281 129,446 332,032 4,151 13,385	1,147,980 501,045 116,349 386,058 4,003 231,678 400,612 39,900 28,552 59,623 161,556 121,742 85,753	2,177,276 838,438 400,767 686,634 4,380 598,631 1,570,599 161,071 184,726 295,702 755,893 187,514 105,201
Total timberland species	2,397,504	2,284,477	3,284,851	7,966,832
Pinyon-juniper Woodland hardwoods	31,235 8,583	30 11,401	71,886 60,780	103,151 80,764
Total woodland species	39,818	11,431	132,666	183,915
Total all species	2,437,322	2,295,908	3,417,517	8,150,747

Table 6.--Cubic feet of net annual growth in trees on State and privately owned forest land in Idaho by species and ownership class, 1980

		Ownership	class	
Species	State	Forest industry	Nonindustrial private	Total
		Thous	sand cubic feet -	
Douglas-fir Ponderosa pine Western white pine Lodgepole pine Limber pine Western larch Grand fir Subalpine fir Engelmann spruce Western hemlock Western redcedar Aspen Cottonwood	15,208 5,600 2,244 4,376 7 4,652 13,982 1,878 1,463 3,047 5,783 3,022 180	12,997 3,929 -651 3,050 2,714 24,027 3,232 1,998 4,373 14,636 206 396	37,263 18,419 2,966 10,652 50 5,637 14,988 2,918 523 1,838 5,997 7,577 2,232	65,468 27,948 4,559 18,078 57 13,003 52,997 8,028 3,984 9,258 26,416 10,805 2,808
Total timberland species	61,442	70,907	111,060	243,409
Pinyon-juniper Woodland hardwoods Total woodland species	649 127 776	2 214 216	1,222 1,658 2,880	1,873 1,999 3,872
Total all species	62,218	71,123	113,940	247,281

Table 7.--Cubic feet of annual mortality in trees on State and privately owned forest land in Idaho by species and ownership class, 1980

		Ownership class					
Species	State	Forest industry	Nonindustrial private	Total			
		Thous	and cubic feet				
Douglas-fir Ponderosa pine Western white pine Lodgepole pine Limber pine Western larch Grand fir Subalpine fir	613 219 2,072 366 234 489 138	1,490 1,336 1,796 561 961 2,592	3,089 1,485 1,014 851 1,312 2,994 481	5,192 3,040 4,882 1,778 2,507 6,075 619			
Engelmann spruce Western hemlock Western redcedar Aspen Cottonwood	147 32 24 89 14	214 632 1	277 153 1,468 713	147 523 809 1,558 727			
Total timberland species	4,437	9,583	13,837	27,857			
Pinyon-juniper Woodland hardwoods	77	 71	 54	77 126			
Total woodland species	78	71	54	203			
Total all species	4,515	9,654	13,891	28,060			

Table 8.--Area of State and privately owned timberland in Idaho by forest type, stand-size class, and productivity class, 1981

Forest type and	Productivity class							
stand-size class	165+	120-164	85-119	50-84	20-49	0-19	Total acres	
				- Acres -				
ouglas-fir:								
Sawtimber	70,053	227,730	353,522	153,891	8,444		813,640	
Poletimber Sapling and seedling	13,947 5,201	9,332 17,158	30,965	38,447 39,706	3,935 824		96,626	
Nonstocked	227	3,240	51,835 22,275	54,699	66,095	7,314	114,724 153,850	
Total	89,428	257,460	458,597	286,743	79,298	7,314	1,178,84	
				-				
estern hemlock:	020	20 070	47 566	24 000	507		110.00	
Sawtimber Poletimber	828	29,870 326	47,566 15,346	34,088 588	587 		112,93 16,26	
Sapling and seedling		628	6,929	313	398		8,26	
Nonstocked			1,941	914			2,85	
Total	828	30,824	71,782	35,903	985		140,32	
ountain hemlock:				21.0			21	
Sawtimber Poletimber				219 138			21 13	
Sapling and seedling			337				33	
Nonstocked			585	1,112			1,69	
Total			922	1,469			2,39	
onderosa pine:	15 641	06 051	102 050	120 702	10 100		445 40	
Sawtimber Poletimber	15,641 4,855	86,051 248	193,952 8,722	139,723 28,921	10,126 4,955		445,49 47,70	
Sapling and seedling	-,055	12,180	14,067	22,781	295		49,32	
Nonstocked		1,212	60,088	60,116	29,546		150,96	
Total	20,496	99,691	276,829	251,541	44,922		693,47	
estern white pine:								
Sawtimber	18,984	29,904	23,884	3,654	740		77,16	
Poletimber Sapling and seedling	2,741 456	5,919 897	1,970 1,367	295 1,613			10,92 4,33	
Nonstocked	430	5,525	1,576	2,313	1,636		11,05	
Total	22,181	42,245	28,797	7,875	2,376		103,47	
				,,,,,				
odgepole pine:								
Sawtimber	13,578	9,912	74,208	57,782	15,043		170,52	
Poletimber	15,004	6,884	23,961	37,721	7,024		90,59	
Sapling and seedling Nonstocked	76 	377	12,316 11,115	34,177 13,419	2,537 1,257		49,10 26,16	
Total	28,658	17,173	121,600	143,099	25,861		336,39	
estern larch:	240	22 550	20 410	17 000			70 44	
Sawtimber Poletimber	248 1,199	22,558 13,397	39,412 15,345	17,228 3,488			79,440 33,42	
	481	13,39/	2,011	3,488			2,79	
Sanling and seedling			-,011	505			- 9 / 3	
Sapling and seedling Nonstocked							-	

Table 8. (con.)

Forest type and			Productivi	ty class			Total
stand-size class	165+	120-164	85-119	50-84	20-49	0-19	acres
				Acres -			
Western redcedar:							
Sawtimber Poletimber	34,554 326	47,497 6,542	118,942 8,777	36,230 2,737	2,009		239,232 18,382
Sapling and seedling		39,141	17,925	18,100			75,166
Nonstocked		5,229	9,281	4,007	2,212		20,729
Total	34,880	98,409	154,925	61,074	4,221		353,509
Grand fir:							
Sawtimber	28,716	180,449	303,608	133,125	864		646,762
Poletimber	4,875	1,082	12,277	9,504	377		28,115
Sapling and seedling Nonstocked	326	398 14,553	54,532 6,840	44,586 8,942	1,822		99,842 32,157
Total	33,917	196,482	377,257	196,157	3,063		806,876
Spruce-subalpine fir:		0.005	47 000	27.662	0.007		05.600
Sawtimber Poletimber		8,035	47,028 7,304	37,663 11,932	2,897 1,690		95,623 20,926
Sapling and seedling			15,647	976	336		16,959
Nonstocked				11,612	1,258		12,870
Total		8,035	69,979	62,183	6,181		146,378
Spruce:							
Sawtimber		7,574	23,594	9,192			40,360
Poletimber Sapling and seedling			457 5,861	11,091			457 16,952
Nonstocked		377	937	377			1,691
Total		7,951	30,849	20,660			59,460
Aspen: Sawtimber	164		3,341	5,622	2,835		11,962
Poletimber			1,479	20,038	66,011	4,908	92,436
Sapling and seedling Nonstocked		5,933	6,489	13,202	76,596	20,620	122,840
				691	635	4,908	6,234
Total	164	5,933	11,309	39,553	146,077	30,436	233,472
Cottonwood:							
Sawtimber		7,906	4,908	26,118	7,821		46,753
Poletimber Sapling and seedling					8,706		8,706
Nonstocked				16,144	6,247		22,391
Total		7,906	4,908	42,262	22,774		77,850
111 tunos							
All types: Sawtimber	182,766	657,486	1,233,965	654,535	51,366		2,780,118
Poletimber	42,947	43,730	126,603	153,809	92,698	4,908	464,695
Sapling and seedling	6,540	76,335	189,316	186,850	80,986	20,620	560,647
Nonstocked	227	30,513	114,638	174,346	110,708	12,222	442,654
Total	232,480	808,064	1,664,522	1,169,540	335,758	37,750	4,248,114

Table 9.--Area of State owned timberland in Idaho by forest type, stand-size class, and productivity class, 1981

Forest type and		Pro	oductivity	y class			Total
stand-size class	165+	120-164	85-119	50-84	20-49	0-19	Total acres
				Acres			
Douglas-fir: Sawtimber Poletimber Sapling and seedling Nonstocked	2,156 456 358 227	21,070 4,489 788	46,401 6,336 4,683 9,140	28,049 5,455 8,697 9,038	1,685 3,935 824 61,252	 556	99,361 20,671 15,350 80,213
Total	3,197	26,347	66,560	51,239	67,696	556	215,595
Western hemlock: Sawtimber Poletimber Sapling and seedling Nonstocked	828 	9,695 326 628	19,262 1,141 630 1,941	10,189 588 313 914	587 398 	 	40,561 2,055 1,969 2,855
Total	828	10,649	22,974	12,004	985	<u></u>	47,440
Mountain hemlock: Sawtimber Poletimber Sapling and seedling Nonstocked	 	 	 337 585	219 138 1,112	 	 	219 138 337 1,697
Total			922	1,469			2,391
Ponderosa pine: Sawtimber Poletimber Sapling and seedling Nonstocked	2,892 126 	9,412 248 207 1,212	28,866 1,963 1,613 19,277	46,226 9,812 4,838 18,578	10,126 4,955 295 11,390	 	97,522 17,104 6,953 50,457
Total	3,018	11,079	51,719	79,454	26,766		172,036
Western white pine: Sawtimber Poletimber Sapling and seedling Nonstocked	5,097 2,741 456	29,904 1,076 897 296	23,884 1,970 1,367 1,576	3,654 295 1,613 2,313	740 1,636	 	63,279 6,082 4,333 5,821
Total	8,294	32,173	28,797	7,875	2,376		79,515
Lodgepole pine: Sawtimber Poletimber Sapling and seedling Nonstocked	2,437 1,117 76	3,613 342 377	12,057 2,891 2,630 5,227	22,457 8,693 3,064 3,037	10,200 7,024 2,537 1,257		50,764 20,067 8,307 9,898
Total	3,630	4,332	22,805	37,251	21,018		89,036
Western larch: Sawtimber Poletimber Sapling and seedling Nonstocked	248 1,199 481	2,260 4,353 	10,284 4,204 2,011	4,949 3,488 305	 	 	17,741 13,244 2,797
Total	1,928	6,613	16,499	8,742			33,782

Table 9. (con.)

Forest type a	nd		Pr	oductivit	y class			Total
stand-size cla	SS	165+	120-164	85-119	50-84	20-49	0-19	acres
					Acres			
Western redceda Sawtimber Poletimber Sapling and so Nonstocked		5,334 326 	17,665 32 	27,681 1,987 4,028 4,052	18,377 2,737 3,651 4,007	2,009 2,212		71,066 5,050 7,711 10,271
Total		5,660	17,697	37,748	28,772	4,221		94,098
Grand fir: Sawtimber Poletimber Sapling and so Nonstocked	eedling	3,689 32 326 	25,184 1,082 398 713	66,682 2,592 1,055 6,840	54,523 2,962 2,105 8,942	864 377 1,822		150,942 7,045 3,884 18,317
Total		4,047	27,377	77,169	68,532	3,063		180,188
Spruce-subalping Sawtimber Poletimber Sapling and so Nonstocked		 	2,174	15,279 355 1,879	13,621 2,333 976 2,013	2,897 1,690 336 1,258		33,971 4,378 3,191 3,271
Total			2,174	17,513	18,943	6,181		44,811
Spruce: Sawtimber Poletimber Sapling and so Nonstocked	eedling	 	3,211 377 3,588	4,242 457 937 5,636	2,433 377 2,810	 	 	9,886 457 1,691 12,034
10 641			3,300	3,030	2,010			12,034
Aspen: Sawtimber Poletimber Sapling and so Nonstocked	eedling	164 	 45	3,341 1,479 404	5,622 5,537 6,443 691	2,835 17,260 6,036 635	74 176 74	11,962 24,350 13,104 1,400
Total		164	45	5,224	18,293	26,766	324	50,816
Cottonwood: Sawtimber Poletimber Sapling and so Nonstocked	eedling	 	 	74 	2,654 2,654	2,694 162		2,728 2,694 2,816
Total				74	5,308	2,856		8,238
All types: Sawtimber Poletimber Sapling and so Nonstocked	eedling	22,845 5,997 1,697 227	124,188 11,916 2,995 2,975	258,053 25,375 20,637 49,575	212,973 42,038 32,005 53,676	31,943 37,935 10,426 81,624	74 176 630	650,002 123,335 67,936 188,707
Total		30,766	142,074	353,640	340,692	161,928	880	1,029,980

Table 10.--Area of forest industry timberland in Idaho by forest type, stand-size class, and productivity class, 1981

Forest type and		Pro	ductivity	class			Т_4-1
stand-size class	165+	120-164	85-119	50-84	20-49	0-19	Total
				Acres			
ouglas-fir:	10 105	00.410	45 205				
Sawtimber Poletimber	13,426 13,491	90,410	45,395 747	32,021 7,941			181,252 22,179
Sapling and seedling		5,229	13,720	12,279			31,228
Nonstocked		460	7,050	8,334			15,844
Total	26,917	96,099	66,912	60,575			250,503
estern hemlock:							
Sawtimber		20,175	22,006	14,855			57,036
Poletimber			7,906				7,90
Sapling and seedling Nonstocked							
Total		20,175	29,912	14,855			64,942
ountain hemlock: Sawtimber							
Poletimber							
Sapling and seedling							
Nonstocked							
Total							
onderosa pine:							
Sawtimber	7,906	1,592	33,137	19,462			62,09
Poletimber Sapling and seedling			2,052	12,810 12,404			12,81 14,45
Nonstocked			2,052	6,299	5,965		14,31
Total	7,906	1,592	37,241	50,975	5,965		103,67
estern white pine: Sawtimber							
Poletimber							
Sapling and seedling Nonstocked		5,229					5,22
Total		5,229					5,22
10041		3,223					3,22.
odgepole pine:			07 605	14 170			41 01
Sawtimber Poletimber		6,542	27,635 6,542	14,178			41,81
Sapling and seedling		0,542	0,542				
Nonstocked							
Total		6,542	34,177	15,618			56,33
estern larch:							
		13,999	9,680	12,279			35,95
Sawtimber							
Sawtimber Poletimber							
Sawtimber							

Table 10. (con.)

Forest type and		Pre	oductivity	class			Total
stand-size class	165+	120-164	85-119	50-84	20-49	0-19	acres
				Acres -			
Western redcedar:							
Sawtimber	6,949	20,788	56,513	17,853			102,103
Poletimber		6,542	6,790				13,332
Sapling and seedling		34,266	13,897	14,449			62,612
Nonstocked		5,229	5,229				10,458
Total	6,949	66,825	82,429	32,302			188,505
Grand fir:							
Sawtimber	6,542	81,077	175,197	33,569			296,385
Poletimber				6,542			6,542
Sapling and seedling			31,644	16,134			47,778
Nonstocked		13,840					13,840
Total	6,542	94,917	206,841	56,245			364,545
Spruce-subalpine fir:		5 061	05.061	7 000			20 011
Sawtimber		5,861	25,861	7,289			39,011
Poletimber			6,949	17			6,966
Sapling and seedling Nonstocked			13,768	17			13,768 17
Total		5,861	A6 E70	7,323			
10141		3,001	46,578	7,323			59,762
Spruce:							
Sawtimber		4,363	19,352				23,715
Poletimber							
Sapling and seedling Nonstocked			5,861	11,091			16,952
NOUS COCKED							
Total		4,363	25,213	11,091			40,667
Aspen:							
Sawtimber							
Poletimber					17		17
Sapling and seedling Nonstocked						26 	26
Total					17	26	43
10001							
Cottonwood:							2 00
Sawtimber		7,906					7,906
Poletimber					9		9
Sapling and seedling Nonstocked				62			 62
Total		7,906		62	9		7,977
All types:	0.1	045 575	414	151 551			047.07
Sawtimber	34,823	246,171	414,776	151,506			847,276
Poletimber	13,491	13,084	28,934	28,750	26	26	84,285
Sapling and seedling Nonstocked		39,495 24,758	80,942 14,331	66,357 14,712	5,965	26 	186,820 59,766
Total	48,314	323,508	538,983	261,325	5,991	26	1,178,147

Table 11.--Area of nonindustrial private timberland in Idaho by forest type, stand-size class, and productivity class, 1981

Forest type and		1	Productivi	ty class			T
stand-size class	165+	120-164	85-119	50-84	20-49	0-19	Total acres
				Acres -			
ouglas-fir:	54 471	116 050	061 706	02 001	6 750		522.00
Sawtimber Poletimber	54,471 	116,250 4,843	261,726 23,882	93,821 25,051	6,759 		533,02 53,77
Sapling and seedling	4,843	11,141	33,432	18,730			68,14
Nonstocked		2,780	6,085	37,327	4,843	6,758	57,79
Total	59,314	135,014	325,125	174,929	11,602	6,758	712,74
estern hemlock:							
Sawtimber			6,298	9,044			15,34
Poletimber			6,299				6,29
Sapling and seedling Nonstocked			6,299				6,29
Total			18,896	9,044			27,94
ountain hemlock:						А	
Sawtimber							_
Poletimber							-
Sapling and seedling Nonstocked							_
Total							
onderosa pine:							
Sawtimber	4,843	75,047	131,949	74,035			285,87
Poletimber	4,729	11,973	6,759 10,402	6,299 5,539			17,78 27,91
Sapling and seedling Nonstocked		11,9/3	38,759	35,239	12,191		86,18
Total	9,572	87,020	187,869	121,112	12,191		417,76
1.1.							
Western white pine: Sawtimber	13,887						13,88
Poletimber		4,843					4,84
Sapling and seedling							· -
Nonstocked							-
Total	13,887	4,843					18,73
odgepole pine:							
Sawtimber	11,141	6,299	34,516	21,147	4,843		77,94
Poletimber	13,887		14,528	27,588			56,00
Sapling and seedling Nonstocked			9,686 5,888	31,113 10,382			40,79 16,27
Total	25,028	6,299	64,618	90,230	4,843		191,01
at any last							
lestern larch: Sawtimber		6,299	19,448				25,74
Poletimber		9,044	11,141				20,18
Sapling and seedling							-
Nonstocked							
Total		15,343	30,589				45,93

Table 11. (con.)

Forest type and		1	Productivi	ty class			T-4-1
stand-size class	165+	120-164	85-119	50-84	20-49	0-19	Total acres
				Acres			
Western redcedar:	22 271	0.044	31 710				66 062
Sawtimber Poletimber	22,271	9,044	34,748				66,063
Sapling and seedling Nonstocked		4,843 					4,843
Total	22,271	13,887	34,748		~-		70,906
Grand fir:							
Sawtimber	18,485	74,188	61,729	45,033			199,435
Poletimber Sapling and seedling	4,843		9,685 21,833	26,347			14,528 48,180
Nonstocked							
Total	23,328	74,188	93,247	71,380			262,143
Spruce-subalpine fir:							
Sawtimber Poletimber			5,888	16,753			22,641
Sapling and seedling				9,582			9,582
Nonstocked				9,582			9,582
Total			5,688	35,917			41,805
Spruce:							
Sawtimber Poletimber				6,759			6,759
Sapling and seedling							
Nonstocked							
Total				6,759			6,759
Aspen:							
Sawtimber Poletimber				14,501	48,734	4,834	60 060
Sapling and seedling		5,888	6,085	6,759	70,560	20,418	68,069 109,710
Nonstocked						4,834	4,834
Total		5,888	6,085	21,260	119,294	30,086	182,613
Cottonwood:							
Sawtimber			4,834	23,464	7,821		36,119
Poletimber Sapling and seedling					6,003		6,003
Nonstocked				13,428	6,085		19,513
Total			4,834	36,892	19,909		61,635
011							
All types: Sawtimber	125,098	287,127	561,136	290,056	19,423		1,282,840
Poletimber	23,459	18,730	72,294	83,021	54,737	4,834	257,075
Sapling and seedling Nonstocked	4,843	33,845 2,780	87,737 50,732	88,488 105,958	70,560 23,119	20,418	305,891 194,181
Total	153,400	342,482	771,899	567,523	167,839	36,844	2,039,987

Table 12.--Area of State and privately owned timberland in Idaho by stand volume and ownership class, 1981

	Total	1 1 1 1	1,081,752	921,585	1,011,463	1,233,314	4,248,114
3.5.5	Nonindustrial private	Acres	570,930	457,944	513,809	497,304	2,039,987
Ownership class	Forest	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	216,307	281,030	326,858	353,952	1,029,980 1,178,147
0	State	1 1 1	294,515	182,611	170,796	382,058	1,029,980
	Stand volume per acrel		Less than 1,500 board feet	1,500 to 4,999 board feet	5,000 to 9,999 board feet	10,000 board feet or more	All classes

lnternational 4-inch rule.

Table 13.--Area of State and privately owned timberland in Idaho by forest type and area condition class, 1981

-				Area	Area condition class	class					
rorest type	10	20	30	40	50	09	70	80	06	Nonstocked	classes
	1 1 1	1 1	I I I	 	I I I	W	Acres	 	1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1
Douglas-fir	-	;	71,089	84,553	110,136	333,260	303,716	56,251	65,985	153,850	1,178,840
Western hemlock	-	-	14,414	198	40,478	24,186	8,275	9,272	40,644	2,855	140,322
Mountain hemlock	-	-	-	1	139	337	1	}	218	1,697	2,391
Ponderosa pine	!	1	1	5,933	51,288	181,272	275,008	-	29,016	150,962	693,479
Western white pine	-	-	-	1	29,663	17,369	13,290	1	32,102	11,050	103,474
Lodgepole pine	7,050	-	!	51,164	103,522	82,086	43,274		23,127	26,168	336,391
Western larch	-	11,382	!	6,989	44,735	20,221	2,580	5,891	23,874	1	115,672
Western redcedar	1	1	13,897	13,888	75,760	54,956	83,840	13,738	76,701	20,729	353,509
Grand fir	24,022	24,022 52,762	13,049	142,969	216,507	114,842	91,877	27,225	91,466	32,157	806,876
Spruce-subalpine fir	1	-	l I	21,549	22,127	26,988	17,390	25,047	20,407	12,870	146,378
Spruce	1	1	5,861	1	3,145	11,573	12,404	096,9	17,826	1,691	59,460
Aspen	-	;	-	10,200	95,858	58,279	58,028	1	4,873	6,234	233,472
Cottonwood			-		7,907	24,348	23,204	1	1	22,391	77,850
All types	31,072	64,144	31,072 64,144 118,310	337,443	801,265	949,717	932,886	144,384	426,239	442,654	4,248,114

Table 14.--Number of growing stock trees on State and privately owned timberland in Idaho by species and diameter class, 1981

					Diame	Diameter class	inche:	(inches at breast height)	ast heig	ht)						
Species	1.0-2.9	3.0-4.9	5.0-	7.0-	9.0-	11.0-	13.0- 14.9	15.0- 16.9	17.0-	19.0-	21.0-	23.0-24.9	25.0- 26.9	27.0-	29.0+	All classes
	1	1	1	1	1 1	1	1	Thousand	trees -	-	1	1	1	1	1	1
Douglas-fir	62,375	48,220	42,809	29,358	25,787	16,257	11,815	7,218	4,687	3,007	1,372	897	520	231	329	254,882
ronuerosa pine Western white pine	10,081	2,489	2,726	10, 164	1,817	1,399	3,929	5,212	1,030	398	227	245 156	147	134	207	78,027
Lodgepole pine	39,999	15,132	24,066	20,098	9,859	5,964	1,723	588	113	93	37	2	; ;	1 1		117,67
Limber pine	969	1	!	135	119	1	51	:	1	2	1	-	1	-	1	1,00
Western larch	11,098	14,008	16,576	11,122	6,458	3,757	2,436	1,486	741	449	256	165	84	64	6	68,79
Grand fir	125,324	71,795	37,694	20,067	15,061	8,636	6,109	3,903	2,198	1,334	209	474	384	226	552	294,36
Subalpine fir	9,561	6,651	5,973	4,276	1,6/8	2,025	782	450	102	102	51	13	23	m	4	31,72
Engelmann spruce	9,618	4,036	2,419	1,844	1,053	672	512	356	211	139	230	138	82	54	6	21,46
Western hemlock	41,824	17,628	10,183	4,537	3,007	2,126	1,239	619	536	311	171	105	77	54	64	82,54
Western redcedar	98,727	30,845	18,516	10,351	7,816	4,254	3,153	2,430	1,377	1,000	788	391	248	233	794	180,92
Total softwoods	418,993	418,993 227,442 174,687	174,687	112,922	79,317	51,958	32,986	20,840	12,205	8,351	4,491	2,886	1,865	1,061	2,437	1,152,441
Aspen Cottonwood	45,364 2,510	24,150 870	29,933 1,039	9,899	2,693	1,022	219 549	122 416	64 359	40 146	19 175	1142	48	1 29	118	113,527 8,013
Total hardwoods	47,874	25,020	30,972	10,133	3,280	1,813	768	538	423	186	194	143	48	30	118	121,540
All species	466,867 252,462 205,659 123,	252,462	205,659	123 055	82 597	E2 771	22 7EA	21 270 12 620	10 600	0 57	107	0000	100 1 010 1		1111	1 272 001

Table 15.--Number of cull and salvable dead trees on State and privately owned timberland in Idaho by ownership class, and softwoods and hardwoods, 1981

Ownership class and	(Cull trees	3	Calvable	۸۱۱
species group	Sound	Rotten	Total	Salvable dead trees	All dead trees
_			Thousa	and trees	
State: Softwoods Hardwoods	5,080 28	1,858 542	6,938 570	1,387 571	8,325 1,141
Total	5,108	2,400	7,508	1,958	9,466
Forest industry: Softwoods Hardwoods	359	2,881	3,240	16,181 47	19,421 47
Total	359	2,881	3,240	16,228	19,468
Nonindustrial private: Softwoods Hardwoods		2,526 2,483	2,526 2,483	18,412 6,384	20,938 8,867
Total		5,009	5,009	24,796	29,805
Total: Softwoods Hardwoods	5,439 28	7,265 3,025	12,704 3,053	35,980 7,002	48,684 10,055
Total	5,467	10,290	15,757	42,982	58,739

Table 16.--Net volume of growing stock on State and privately owned timberland in Idaho by ownership class, forest type, and stand-size class, 1981

			Stand-si	ze class		
Ownership class	Forest type	Sawtimber	Poletimber	Sapling/ seedling	Nonstocked	All classes
			Tho	usand cubic	feet	
State:	Douglas-fir	200 072	24 444	7,846	1 403	221 765
	Western hemlock	288,072 144,001	34,444 5,884	2,954	1,403	331,765 152,839
	Mountain hemlock	70	30		51	151
	Ponderosa pine	234,832	20,252	3,665	7,310	266,059
	Western white pine Lodgepole pine	344,896	9,613 55,367	2,685 4,894	980 1,000	358,174 184,676
	Western larch	123,415 62,732	48,780	4,034	1,000	116,486
	Western redcedar	260,526	11,008	8,000	1,979	281,513
	Grand fir	470,184	7,293	2,755	3,112	483,344
	Spruce-subalpine fir	86,681	9,093 753	1,901	369 343	98,044 42,764
	Spruce Aspen	41,668 22,940	38,167	12,840	343	73,947
	Cottonwood	4,912	1,103	,	952	6,967
	All types	2,084,929	241,787	52,514	17,499	2,396,729
Forest industry:			50.554	0.470	0.100	540 750
	Douglas-fir Western hemlock	453,604 129,287	53,554 11,239	9,470 	2,122	518,750 140,526
	Mountain hemlock	123,207				140,520
	Ponderosa pine	66,071	10,144	15,135	1,660	93,010
	Western white pine	00 663	51,548			142,210
	Lodgepole pine Western larch	90,662 110,236	51,540			110,236
	Western redcedar	326,748	6,102	38,537		371,387
	Grand fir	714,490	1,800	11,578		727,868
	Spruce-subalpine fir	74,041 50,440	13,252	7,932 10,630	5 	95,230 61,070
	Spruce Aspen	50,440	18	5		23
	Cottonwood	24,142	3		22	24,167
	All types	2,039,721	147,660	93,287	3,809	2,284,477
√onindustrial private	•					
ioninidustriai private	Douglas-fir	1,134,656	76,911	40,273	4,127	1,255,967
	Western hemlock	17,304	5,300	1,490		24,094
	Mountain hemlock	450 100	10 502	0.022	15 652	405 265
	Ponderosa pine Western white pine	458,190 62,262	12,593 504	8,832	15,652	495,267 62,766
	Lodgepole pine	196,810	154,723	22,004	1,223	374,760
	Western larch	105,018	44,857			149,875
	Western redcedar Grand fir	247,254 398,033	20,635	9,841		247,254 428,509
	Spruce-subalpine fir	55,836	3,339	9,041	2,982	62,157
	Spruce	14,204				14,204
	Aspen Cottonwood	63,476	73,638 2,456	21,244	5,672	94,882 71,604
	All types	2,753,043	394,956	103,684	29,656	3,281,339
otal:						
	Douglas-fir	1,876,332	164,909	57,589	7,652	2,106,482
	Western hemlock	290,592	22,423	4,444	 E1	317,459
	Mountain hemlock Ponderosa pine	70 759,093	30 42,989	27,632	51 24,622	151 854,336
	Western white pine	407,158	10,117	2,685	980	420,940
	Lodgepole pine	410,887	261,638	26,898	2,223	701,646
	Western larch	277,986	93,637	4,974	1 070	376,597
	Western redcedar	834,528 1,582,707	17,110 29,728	46,537 24,174	1,979 3,112	900,154
	Grand fir Spruce-subalpine fir	216,558	25,684	9,833	3,356	255,431
	Spruce	106,312	753	10,630	343	118,038
	Aspen	22,940	111,823	34,089		168,852
	Cottonwood	92,530	3,562		6,646	102,738

Table 17.--Net volume of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by ownership class, forest type, and stand-size class, 1981

			Stand-si	ze class		
Ownership class	Forest type	Sawtimber	Poletimber	Sapling/ seedling	Nonstocked	All classes
		Thou	sand board fe	et, Interna	tional ¼-inch	rule
State:	Douglas-fir	1,314,932	45,313	26,324	7,148	1,393,717
	Western hemlock	739,075	12,523	11,078		762,676
	Mountain hemlock	265				265
	Ponderosa pine	1,270,107	29,655	13,469	44,730	1,357,961
	Western white pine Lodgepole pine	1,987,960 519,297	18,909 65,949	6,529 9,606	6,285 5,979	2,019,683 600,831
	Western larch	327,447	65,583	11,487	J, 3/ 3	404,517
	Western redcedar	1,382,233	17,446	12,125	8,522	1,420,326
	Grand fir	2,535,844	8,453	8,416	4,656	2,557,369
	Spruce-subalpine fir	416,632	17,387	3,049	1,955	439,023
	Spruce Aspen	247,722 109,492	890 29,187	17,618	2,154	250,766 156,297
	Cottonwood	24,173	1,414		4,494	30,081
	All types	10,875,179	312,709	119,701	85,923	11,393,512
Forest industry:						
Ů	Douglas-fir	2,220,057	118,065	27,265	6,694	2,372,081
	Western hemlock	493,102	27,735			520,837
	Mountain hemlock Ponderosa pine	306,125	23,672	59,422	4,935	394,154
	Western white pine					
	Lodgepole pine	304,913	65,511			370,424
	Western larch Western redcedar	522,567		130,224		522,567
	Grand fir	1,540,874 3,050,979		30,054		1,671,098 3,081,033
	Spruce-subalpine fir	345,652	28,293	15,677	28	389,650
	Spruce	265,892		54,201		320,093
	Aspen Cottonwood	130,635	 4		102	130,741
		9,180,796	263,280	316,843	11,759	9,772,678
	All types	3,180,730	203,280	310,643	11,739	3,772,076
Nonindustrial private:	Davidles fin	E 022 020	162 070	152 000	14 056	E 262 044
	Douglas-fir Western hemlock	5,032,929 72,115	162,970 6,091	153,889	14,056	5,363,844 78,206
	Mountain hemlock	72,115				70,200
	Ponderosa pine	2,227,917	22,430	40,191	77,998	2,368,536
	Western white pine	340,526	020 070			340,526
	Lodgepole pine Western larch	705,374 535,592	232,972 84,229	87,543		1,025,889 619,821
	Western redcedar	1,045,945				1,045,945
	Grand fir	1,655,792	35,997	26,017		1,717,806
	Spruce-subalpine fir	214,497	3,026		15,693	233,216
	Spruce Aspen	61,566	41,447	43,337		61,566 84,784
	Cottonwood	307,618	3,152	45,557	26,776	337,546
	All types	12,199,871	592,314	350,977	134,523	13,277,685
Total:						
	Douglas-fir	8,567,918	326,348	207,478	27,898	9,129,642
	Western hemlock	1,304,292	46,349	11,078		1,361,719
	Mountain hemlock	265 3,804,149	75,757	113,082	127,663	265 4,120,651
	Ponderosa pine Western white pine	2,328,486	18,909	6,529	6,285	2,360,209
	Lodgepole pine	1,529,584	364,432	97,149	5,979	1,997,144
	Western larch	1,385,606	149,812	11,487		1,546,905
	Western redcedar	3,969,052	17,446	142,349	8,522	4,137,369
	Grand fir Spruce-subalpine fir	7,242,615 976,781	44,450 48,706	64,487 18,726	4,656 17,676	7,356,208 1,061,889
	Spruce	575,180	890	54,201	2,154	632,425
	Aspen	109,492	70,634	60,955		241,081
	Cottonwood	462,426	4,570		31,372	498,368
	All types	32,255,846	1,168,303	787,521	232,205	34,443,875

Table 18.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by ownership class, forest type, and stand-size class, 1981

			Stand-si	ze class		
Ownership class	Forest type	Sawtimber	Poletimber	Sapling/ seedling	Nonstocked	All classes
			- Thousand b	oard feet,	Scribner rule	
State:	Douglas-fir	1,113,526	36,338	22,196	5,537	1,177,597
	Western hemlock	637,251	10,539	9,489		657,279
	Mountain hemlock Ponderosa pine	180 1,074,048	23,809	10,872	38,379	180 1,147,108
	Western white pine	1,731,848	16,026	4,983	5,591	1,758,448
	Lodgepole pine	437,651	55,422	8,183	5,291	506,547
	Western larch Western redcedar	272,368 1,183,783	52,716 14,275	8,979 10,205	7,181	334,063 1,215,444
	Grand fir	2,193,146	6,792	7,169	3,777	2,210,884
	Spruce-subalpine fir	354,758	14,738	2,616	1,556	373,668
	Spruce Aspen	217,667 92,680	792 23,701	14,302	1,917	220,376 130,683
	Cottonwood	21,050	1,164		3,959	26,173
	All types	9,329,956	256,312	98,994	73,188	9,758,450
Forest industry:	Douglas-fir	1,886,112	92,802	23,349	5,434	2,007,697
	Western hemlock	415,558	22,899			438,457
	Mountain hemlock Ponderosa pine	253,765	17,869	46,854	3,756	322,244
	Western white pine Lodgepole pine	255,170	54,176			309,346
	Western larch	429,659	54,170			429,659
	Western redcedar	1,316,782		107,378		1,424,160
	Grand fir Spruce-subalpine fir	2,603,166 292,068	23,108	23,939 13,781	24	2,627,105 328,981
	Spruce Spruce	233,889	23,100	44,209		278,098
	Aspen Cottonwood	115,098	3		 90	115,191
	All types	7,801,267	210,857	259,510	9,304	8,280,938
Nonindustrial private:	Douglas-fir	4,232,768	133,368	126,480	10,270	4,502,886
	Western hemlock	57,464	4,290			61,754
	Mountain hemlock	1 022 215	17 206	22 200	60.010	1 047 720
	Ponderosa pine Western white pine	1,833,315 290,452	17,306	33,300	63,818	1,947,739 290,452
	Lodgepole pine	584,041	196,409	71,739		852,189
	Western larch	447,329	68,724			516,053
	Western redcedar Grand fir	870,058 1,403,065	29,290	20,225		870,058 1,452,580
	Spruce-subalpine fir	182,467	2,693		13,390	198,550
	Spruce	54,049	33,209	37,669		54,049 70,878
	Aspen Cottonwood	265,178	2,593	37,009	23,438	291,209
	All types	10,220,186	487,882	289,413	110,916	11,108,397
Total:						
	Douglas-fir	7,232,406	262,508	172,025	21,241	7,688,180
	Western hemlock Mountain hemlock	1,110,273 180	37,728	9,489		1,157,490 180
	Ponderosa pine	3,161,128	58,984	91,026	105,953	3,417,091
	Western white pine	2,022,300	16,026	4,983	5,591	2,048,900
	Lodgepole pine Western larch	1,276,862 1,149,356	306,007 121,440	79,922 8,979	5,291	1,668,082 1,279,775
	Western redcedar	3,370,623	14,275	117,583	7,181	3,509,662
	Grand fir	6,199,377	36,082	51,333	3,777	6,290,569
	Spruce-subalpine fir Spruce	829,293 505,60 5	40,539 792	16,397 44,209	14,970 1,917	901,199 552,523
	Aspen	92,680	56,910	51,971	1,917	201,561
	Cottonwood	401,326	3,760		27,487	432,573
	All types	27,351,409	955,051	647,917	193,408	29,147,785

Table 19.--Net volume of growing stock on State and privately owned timberland in Idaho by species and diameter class, 1981

					Diamete	Diameter class (inches at	inches at	breast height	eight)					
Species	5.0-	7.0-	9.0-	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0-	23.0- 24.9	25.0- 26.9	27.0-	29.0+	All classes
	1 1	1 1 1 1 1	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1 1	Thousand	Thousand cubic feet	et	1 1 1 1	1 1 1	1 1	1 1 1	-
Douglas-fir Ponderosa pine	130,264	185,549 45,085	275,818 57,471	287,660 108,230	308,012 96,311	255,882	216,713 78,802	173,889	100,392 57,877	80,193	58,032	30,670 21,831	70,904	2,173,978
Western white pine Lodgepole pine Imber nine	12,160 124,492	6,691 185,934 1,529	27,476 146,700 1,243	35,199 135,750	45,432 52,490	27,588	42,207 5,672	36,369 5,770	25,705 2,971	21,417	24,280	12,585	83,658 187	400,767
Western larch Grand fir	57,541	81,935 130,913	87,399 189,457	81,034	73,815	61,278	41,869	33,679 104,594	20,844 60,908	17,326 51,329	11,043	9,238	21,630	598,631 1,570,599
Subalpine fir Engelmann spruce	22,089 8,422	30,048 12,365	18,595 14,010	36,374 13,871	18,151 16,024	16,275 14,060	4,076	5,427	3,419	1,092	4,642	323	560	161,071
Western hemlock Western redcedar	22,681 61,097	31,853 63,120	37,413 80,439	42,312 63,169	35,973 65,838	27,524 66,003	28,526 49,089	20,238	14,402 40,839	9,013 23,708	8,168 18,683	7,362 20,870	10,237	295,702 755,542
Total softwoods	562,583	562,583 775,022 936,021	936,021	987,593	912,461	773,341	612,923	523,231	349,890	273,972	223,258	151,086	589,087	7,670,468
Aspen Cottonwood	71,743	56,840	27,156 5,375	15,127 13,143	5,023	4,742	2,951	1,913	1,430 9,837	217	3,047	269	14,289	187,411 104,666
Total hardwoods	73,354	57,333	32,531	28,270	17,270	17,646	16,395	8,568	11,267	8,581	3,047	3,526	14,289	292,077
All species	635,937	832,355	635,937 832,355 968,552 1,015,863	1,015,863	929,731	790,987	629,318	531,799	361,157	282,553	226,305	154,612	603,376	7,962,545

Table 20.--Net volume of sawtimber (International 4-inch rule) on State and privately owned timberland in Idaho by species and diameter class, 1981

					Diameter cl	ass (inches	Diameter class (inches at breast height	height)				
Species	9.0-	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+	All classes
	1 1 1	1	1	1	housand boa	rd feet, Ir	Thousand board feet, International	4-inch rule	ə	1	1	1 1 1
Douglas-fir Ponderosa pine	1,029,008	1,443,590	1,649,611	-	1,223,309	993,496	582,489	470,253	345,568	185,420	433,257	9,771,849
Western white pine	116,636	197,827	261,917	161,881	242,154	215,621	157,708	130,963	147,498		517,782	2,230,089
Lodgepole pine Limber pine	3,733	789,049	303,560		31,826	31,65/	16,266	481	1 1	1 1	1,138	1,970,706
Western larch	377,300	485,924	444,445		253,384		129,199	110,866	71,077	59,636	139,878	2,648,324
Grand fir	730,227	978,968	1,094,920	942,230	719,490		330,912	272,125	290,930	229,472	832,149	6,987,82
Subalpine fir	76,986	192,848	98,245		22,880		20,181	6,822	26,517	2,004	3,508	569,05
Engelmann spruce	58,310	76,720	89,760		73,953		125,825	90,572	72,029	59,115	147,210	935,328
Western hemlock	146,152	212,359	190,744	152,377	158,843		84,571	52,175	48,449	44,283	61,183	1,264,272
Western redcedar	305,788	318,456	337,574	337,533	250,305	222,241	205,459	121,444	99,758	112,831	812,758	3,124,147
Total softwoods	3,680,268	5,189,199	3,680,268 5,189,199 4,988,064	4,304,203	3,441,255	2,970,940	2,005,876	1,588,610	1,304,504	914,631	3,424,294	33,811,844
Aspen Cottonwood	XXXXX	78,835	26,819 62,199	24,644	15,430	9,225	7,304	1,294	13.593	1,612		165,163
Total handwoods	****	146 359	90 010	00 640	00 014	40.000	E9 931	20 000	10 500	16 601	200000	
loca i mar uwoous	V V V V V V V V V V V V V V V V V V V	140,330	03,010	00,040	60,214	40,283	167,26	39,033	13,593	10,031	270,00	632,03
All species	3,680,268	3 680 268 5 335 557 5 077.082	5.077.082	4 392 851	3 521 469	3 011 223		2 058 107 1 627 643	1 318 007	031 262	3 490 316	3/ ///3 875
5313365	2,000,000	10000000	230113005	1,006,000	3,361,703	3,011,663		1,027,043	1,010,027	201,100	016,064,6	74,440,01

Table 21.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by species and diameter class, 1981

					Diameter class	ass (inches at	at breast height	height)				
Species	9.0-	11.0-	13.0- 14.9	15.0-	17.0-	19.0- 20.9	21.0-	23.0- 24.9	25.0- 26.9	27.0-	29.0+	All
	1	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	Thou	Thousand board feet, Scribner rule	feet, Scrib	ner rule -	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1
Douglas-fir Ponderosa pine	805,137	1,155,838 369,656	1,381,216	1,211,775 500,221	1,060,966 393,356	868,701 450,788	518,415 303,321	418,526 289,015	307,555	165,024 125,882	385,599	8,278,752 3,569,302
Western white pine Lodgepole pine	96,038 537,154	163,670 658,044	224,604 260,003	141,817 133,797	214,345 28,249	191,863 28,173	139,720	116,514	131,267	71,291	460,825	1,951,954
Limber pine	3,322	1 4	6,956		1 0	941		1 0	1 (1 1		11,219
Western larch Grand fir	281,441	361,153	353,822	308,56/821,357	217,586	180,0//	113,864 294,486	98,568	63,258	53,075	124,492	2,155,903 6.032,665
Subalpine fir	62,792	156,784	82,373	76,822	19,934	26,748	17,946	6,072	23,600		3,122	477,975
Engelmann spruce	47,755	62,836	75,956	68,175	64,555	54,831	111,984	80,609	64,106		131,017	814,437
Western hemlock	115,720	173,148	164,270	134,752		100,690	74,665	46,375	43,120		54,453	1,087,974
Western redcedar	246,333	243,841	261,876	263,132	196,984	177,945	168,386	101,677	84,802		719,083	2,561,264
Total softwoods	2,913,264	4,148,970	4,158,614	3,660,415	2,972,509	2,583,929	1,757,263	1,399,938	1,154,175	810,513	3,043,192	28,602,782
Aspen	XXXX	63,072	22,685	21,716	13,691	8,210	6,501	1,152	1 1	1,435	i (138,462
COTTONWOOD	YYYYY	726,66	52,9/0	729,65	56,846	27,430	39,934	33,553	12,09/	13,36/	28,760	406,541
Total hardwoods	XXXXX	119,029	75,655	77,343	70,537	35,640	46,435	34,705	12,097	14,802	58,760	545,003
ר כל היים היים היים היים היים היים היים היים	430 010 0	000 120 1	000		0			(a () () () () () () () () ()	0			
All species	7,913,204	7,913,204 4,20/,999 4,234,209	4,234,209	3,/3/,/28	3,043,046	7,619,569	1,803,698	1,434,643 1,166,2/2	1,166,2/2	825,315	3,101,952	29, 147, 785

Table 22.--Net volume of growing stock on State and privately owned timberland in Idaho by ownership class and species, 1981

		Ownership c	lass	
Species	State	Forest industry	Nonindustrial private	Total
			OWING STOCK and cubic feet -	
Douglas-fir Ponderosa pine Western white pine Lodgepole pine Limber pine Western larch Grand fir Subalpine fir Engelmann spruce Western hemlock Western redcedar	561,380 194,811 217,045 164,118 377 175,713 504,146 58,735 83,893 106,633 262,302	467,252 142,582 67,373 136,458 191,240 665,841 62,436 72,281 129,446 332,032	1,145,346 501,045 116,349 386,058 4,003 231,678 400,612 39,900 28,552 59,623 161,208	2,173,978 838,438 400,767 686,634 4,380 598,631 1,570,599 161,071 184,726 295,702 755,542
Total softwoods	2,329,153	2,266,941	3,074,374	7,670,468
Aspen Cottonwood	61,518	4,151 13,385	121,742 85,223	187,411 104,666
Total hardwoods	67,576	17,536	206,965	292,077
All species	2,396,729	2,284,477	3,281,339	7,962,545

Table 23.--Net volume of sawtimber (International ½-inch rule) on State and privately owned timberland in Idaho by ownership class and species, 1981

		Ownership cl	ass	
Species	State	Forest industry	Nonindustrial private	Total
		SA	WTIMBER	
	- Thousand	board feet,	International	∄-inch rule -
Douglas-fir Ponderosa pine Western white pine Lodgepole pine Limber pine Western larch Grand fir Subalpine fir Engelmann spruce Western hemlock Western redcedar	2,614,890 1,052,672 1,266,364 487,189 1,640 732,414 2,677,986 226,044 477,373 518,913 1,249,712	2,127,471 731,704 357,587 395,398 954,108 2,707,735 227,754 323,176 530,114 1,347,336	5,029,488 2,512,908 606,138 1,088,119 11,328 961,802 1,602,103 115,255 134,779 215,245 527,099	9,771,849 4,297,284 2,230,089 1,970,706 12,968 2,648,324 6,987,824 569,053 935,328 1,264,272 3,124,147
Total softwoods	11,305,197	9,702,383	12,804,264	33,811,844
Aspen Cottonwood Total hardwoods	67,941 20,374 88,315	8,079 62,216 70,295	89,143 384,278 473,421	165,163 466,868 632,031
All species	11,393,512	9,772,678	13,277,685	34,443,875

Table 24.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by ownership class and species, 1981

	(Ownership cla	iss	
Species	State	Forest industry	Nonindustrial private	Total
		S	AWTIMBER	
	The	•	feet, Scribner	rule
Douglas-fir Ponderosa pine Western white pine Lodgepole pine Limber pine Western larch Grand fir Subalpine fir Engelmann spruce Western hemlock Western redcedar	2,228,856 889,000 1,111,201 411,860 1,450 607,310 2,334,929 191,089 417,554 451,668 1,039,069	1,815,509 610,818 314,499 333,309 784,992 2,328,359 191,811 279,759 456,194 1,103,403	4,234,387 2,069,484 526,254 916,168 9,769 763,601 1,369,377 95,075 117,124 180,112 418,792	8,278,752 3,569,302 1,951,954 1,661,337 11,219 2,155,903 6,032,665 477,975 814,437 1,087,974 2,561,264
Total softwoods	9,683,986	8,218,653	10,700,143	28,602,782
Aspen Cottonwood Total hardwoods	56,578 17,886 74,464	7,139 55,146 62,285	74,745 333,509 408,254	138,462 406,541 545,003
All species	9,758,450	8,280,938	11,108,397	29,147,785

Table 25.--Net volume of timber on State and privately owned timberland in Idaho by class of timber, and softwoods and hardwoods, 1981

Class of timber	Softwoods	Hardwoods	All classes
		Thousand cubic	feet
Sawtimber trees: Saw-log portion Upper-stem portion	5,642,965 689,898	100,668 28,190	5,743,633 718,088
Total	6,332,863	128,858	6,461,721
Poletimber trees	1,337,605	163,219	1,500,824
All growing stock trees	7,670,468	292,077	7,962,545
Sound cull trees Rotten cull trees Salvable dead trees	36,268 53,460 336,814	17 4,796 21,401	36,285 58,256 358,215
All timber	8,097,010	318,291	8,415,301

Table 26.--Net volume of growing stock on State and privately owned timberland in Idaho by forest type and species, 1981

						Species				
Forest type	Douglas-fir	Ponderosa r pine	wh	Western white pine	Lodgepole pine	Limber pine	r Western larch	Grand fir	Subalpine fir	Engelmann spruce
	1 1 1 1	1	1 1 1	1 1 1	Thousand	and cubic	feet	1 1	1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Douglas-fir Western hemlock	1,486,484 22,305	170			46,495	ii	104, 27,	160,158 24,938	12,030 3,034	7,143
Mountain nemiock Ponderosa pine Western white pine	158,339 30,662	ц	93	5,981 189,716	34,048	176	25	24,724 87,916	331 2,068	51 2,526 7,252
Lodgepole pine Western larch	/3,964 44,726		364	4,309 24,738	ς́σ́,	82	40, 215,	18,162	1,689	
Western redeedar Grand fir	63,359 217,854		000	56,456 78,486	, જે લ		67, 69,	197,086 1,022,900	2,410	တ်ပြင်
Spruce-subalpine fir Spruce Aspen Cottonwood	34,096 10,542 29,330 2,317	33 399 3,680 10,859	80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3,223 2,112 	• •	4,122		3,149 7,016 	122,878 6,945 509	52,021 74,892 57
All types	2,173,978			400.767	686.634	4.380	598 631	1 570 599	161.071	184 726
				Species						
Forest Type	Western	Western redcedar	Total softwoods	ds Aspen		Cottonwood ha	Total hardwoods	All species	sə	
	1 1	1 1 1	1 1	Thousand	cubic f	eet	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	
Douglas-fir Western hemlock	8,663 159,304	57,655 49,587	2,074,5	27,		,35 ,50	31,905 3,386	2,106,48	.82 59	
Mountain nemiock Ponderosa pine Western white pine	1,356 5,167	4,201 55,657	151 848,228 418,892	2,5	558 1 048	,050		151 854,336 420,940	.51 136 40	
Lodgepole pine Western larch	2,501 9,782	10,745	695,9 371,00	ഹ് വ	728 455			701,6	46 97	
western redcedar Grand fir Spruce-subalpine fir	54,553 41,498 12,656	415,54/ 128,064 5,366	893,0. 1,631,1. 253,28	7,1,5	556 4 971 6 146	, 588 , 633 	7,144 8,604 2,146	900, I: 1,639,72 255,43	54 31	
Spruce Aspen	122	823	118,0 38,9	129,	913	1 1 2		118,00	138 152 30	
All types	295,702	755,542	7,670,468	187,	1 104	999	• •	5.	45	

Table 27.--Net volume of sawtimber (International 4-inch rule) on State and privately owned timberland in Idaho by forest type and species, 1981

	ine Engelmann spruce	1		04 37,232	:	460 11,032	34 40,660									53 935,328
	Subalpine fir	1	24,9	16,404		4	10,7	5,3	5,2	12,6	29,4	426,7	35,5	1,641		569,053
	Grand fir	rule	682,114	89,261	!	109,494	497,167	38,296	84,703	884,670	4,555,229	14,491	32,399	:	1	6,987,824
	Western larch	International 4-inch	391,448	125,771	:	83,745	183,475	188,850	885,055	353,249	326,079	44,683	62,369	!	1	2,648,324
Species	Limber pine	Internat	1	;	!	;	1,057	;	246	;	;	}	11,665	1	!	12,968
ds l	Lodgepole pine	Thousand board feet,	159,580	22,625	1	142,268	44,972	1,296,181	25,350	115,720	83,951	49,920	2,803	27,336	1	1,970,706
	Western white pine	Thousand	109,573	79,891	1	32,150	1,088,674	17,088	139,590	333,183	401,536	17,244	11,160	1	!	2,230,089
	Ponderosa pine		902,645	6,524	!	2,988,271	12,038	97,037	52,398	21,700	124,362	1	2,735	22,141	67,433	4,297,284
	Douglas-fir	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6,594,650	87,391	!	726,821	166,165	295,032	200,566	303,815	1,031,054	181,694	54,140	117,701	12,820	9,771,849
	Forest type		Douglas-fir	Western hemlock	Mountain hemlock	Ponderosa pine	Western white pine	Lodgepole pine	Western larch	Western redcedar	Grand fir	Spruce-subalpine fir	Spruce	Aspen	Cottonwood	All types

Table 27. (con.)

Table 28.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by forest type and species,

						Species				
Forest type	Douglas-fir	Ponderosa r pine	West white	_ a	Lodgepole pine	Limber pine	Western	Grand fir	Subalpine fir	Engelmann spruce
	1 1 1	1	1 1 1 1 1 1	1	Thousand board	oard feet	, Scribner rule	le		1 1
Douglas-fir Western hemlock	5,570,298 74,667	763,7 5,6	95	,605 ,001	134,195 19,294		30 6 ,703 101,909	584,670 77,375	21,073 13,581	29,969 32,742
Mountain nemiock Ponderosa pine Western white pine	615,866 144,584	2,465,0		27,228 953,799	120,723 38,002	 941	64,208 154,358	92,012 437,013	410 9,126	9,632
Lodgepole pine Western larch	248,052 169,452	2/4			1,086,8// 21,234	219	151,934 719,131	33,226 72,082	4,557	11,751 21,741
Western redcedar Grand fir	881,626	17,8		,623 ,807	72,843		291,341	3,921,742	23,594	36,762
Spruce-subalpine fir Spruce	156,835 45,616	·		,139 ,909	43,347 2,483	10,059	35,150 58,691	12,687 28,099	358,200 30,802	204,559 360,475
Aspen Cottonwood	99,1/3	19,098 59,259	98 59		23,906	1 1	1 1	1 1	1,3//	1 1
All types	8,278,752	3,569,	302 1,951	,954	1,661,337	11,219	2,155,903	6,032,665	477,975	814,437
Table 28. (con.)										
			Specie	cies						
Forest Type	Western hemlock	Western redcedar	Total softwoods	Aspen		Cottonwood	Total hardwoods	All specie	S:	
	1 1	Th	Thousand board	d feet,	International	-44	inch rule	1		
Douglas-fir Western hemlock	10,676 588,392	154,008 167,638	7,670,918 1,150,226	7,	7 2		17,262 7,264	7,688,180	80	
Mountain nemlock Ponderosa pine	180 4,763	17,152	3,417,091		1 1 1		1	3,417,091	0.1.0	
western white pine Lodgepole pine	7,358	739,024 17,898	2,042,015 1,655,743				6,885 12,339	2,048,90 1,668,08	2 2	
Western larch Western redcedar	35,428 208,573	53,377 1,490,946	1,261,985 3,485,749	1,425 4,815		6,365 9,098	17,790 23,913	1,279,775 3,509,662	5.2	
Grand fir Spruce-subalpine fir	162,256 50,162	25	6,256,257 895,452			•	34,312 5,747	6,290,56 901,19	ე ე	
Spruce	473	3,481	552,523]	1 1	1	1 L	552,52	<u>ب</u>	
Aspen Cottonwood	: :	7//	70,317	35,	575 326	5,681	57,235 362,256	201,56 432,57	33.	
All types	1,087,974	2,561,264	28,602,782	138,	462 406	5,541	545,003	29,147,78	55	

Table 29.--Net annual growth of growing stock on State and privately owned timberland in Idaho by ownership class and species, 1980

		Ownership	class	
Species	State	Forest industry	Nonindustrial private	Total
			OWING STOCK and cubic feet	
Douglas-fir Ponderosa pine Western white pine Lodgepole pine Limber pine Western larch Grand fir Subalpine fir Engelmann spruce Western hemlock	15,187 5,600 2,244 4,376 7 4,652 13,982 1,878 1,463 3,047 5,783	12,997 3,929 -651 3,050 2,714 24,027 3,232 1,998 4,373 14,636	37,181 18,419 2,966 10,652 50 5,637 14,988 2,918 523 1,838 5,980	65,365 27,948 4,559 18,078 57 13,003 52,997 8,028 3,984 9,258 26,399
Total softwoods	58,219	70,305	101,152	229,676
Aspen Cottonwood	3,017 180	206 396	7,577 2,212	10,800 2,788
Total hardwoods	3,197	602	9,789	13,588
All species	61,416	70,907	110,941	243,264

Table 30.--Net annual growth of sawtimber (International $\frac{1}{4}$ -inch rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

		Ownership	class	
Species	State	Forest industry	Nonindustrial private	Total
			SAWTIMBER	
	- Thousan	d board fee	t, International	1-inch rule
Douglas-fir	79,266	63,832	170,380	313,478
Ponderosa pine	28,765	20,988	94,924	144,677
Western white pine	11,901	2,880	21,693	36,474
Lodgepole pine	15,541	8,579	38,047	62,167
Limber pine	264		66	330
Western larch	12,486	16,129	15,762	44,377
Grand fir	75,879	94,661	52,897	223,437
Subalpine fir	6,818	5,190	928	12,936
Engelmann spruce	7,423	7,222	2,384	17,029
Western hemlock	14,031	15,194	6,382	35,607
Western redcedar	27,704	26,347	13,716	67,767
Total softwoods	280,078	261,022	417,179	958,279
Aspen	7,719	319	4,935	12,973
Cottonwood	465	1,748	7,850	10,063
Total hardwoods	8,184	2,067	12,785	23,036
				
All species	288,262	263,089	429,964	981,315

Table 31.--Net annual growth of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

		Ownership c	lass	
Species	State	Forest industry	Nonindustrial private	Total
	Th		SAWTIMBER d feet, Scribner	rule
Douglas-fir Ponderosa pine Western white pine Lodgepole pine Limber pine Western larch Grand fir Subalpine fir Engelmann spruce Western hemlock Western redcedar	70,718 24,354 11,128 14,145 235 11,257 66,880 6,201 6,656 12,565 23,889	57,478 18,312 2,747 8,108 14,840 85,021 4,751 6,488 14,041 22,551	153,837 82,322 19,839 34,641 60 14,489 48,436 1,095 2,146 6,002 11,853	282,033 124,988 33,714 56,894 295 40,586 200,337 12,047 15,290 32,608 58,293
Total softwoods	248,028	234,337	374,720	857,085
Aspen Cottonwood	5,949 428	298 1,629	4,044 7,327	10,291 9,384
Total hardwoods	6,377	1,927	11,371	19,675
All species	254,405	236,264	386,091	876,760

Table 32.--Net annual growth of growing stock on State and privately owned timberland in Idaho by species and diameter class, 1980

				Diameter	er class	(inches	at	breast height)	ht)					
Species	5.0-	7.0-	9.0-	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0-	21.0-	23.0-24.9	25.0- 26.9	27.0-	29.0+	All classes
	1 1	1 1	1 1	1 1 1	1 1	Thou	Thousand cubic feet	ic feet	1	1	1		1	1
Douglas-fir Ponderosa pine	10,633	7,566	10,148	9,663	8,984	6,913 2,731	4,660	3,224	1,649	805	656	265	199	65,365
Western white pine	-59	-586	1,314	802	744	541	785	398	346	107	74	-314	407	4,559
Lodgepole pine	4,915	5,266	3,745	3,329	410	459	- 188	108	30	2	1	1	2	18,078
imber pine	1	34	14	1	9	1	!	m	1	1	1	1	!	57
Western larch	4,230	2,169	1,788	1,738	1,588	640	268	348	228	-490	100	-4	100	13,003
Grand fir	13,168	6,163	7,357	6,265	6,617	4,341	2,845	1,910	1,078	564	797	450	1,442	52,997
Subalpine fir	5,262	860	357	402	491	355	77	116	24	∞	9	2	9	8,028
Engelmann spruce	572	521	518	493	417	306	179	202	208	142	130	101	195	3,984
Western hemlock	1,977	1,497	1,307	1,183	1,058	639	579	380	246	119	101	83	89	9,258
Western redcedar	13,167	2,045	2,796	1,602	1,758	1,514	813	618	408	102	179	240	1,157	26,399
Total softwoods	57,670	28,109	32,100	29,340	25,601	18,439	12,528	9,567	5,774	2,093	2,821	1,143	4,491	229,676
							,	,	,					
Aspen Cottonwood	7,800	1,432	765 235	359	148	150 -127	435	30	42 229	246	79	51	293	10,800 2,788
Total hardwoods	8,065	1,501	1,000	986	550	23	503	14	271	249	79	54	293	13,588
יייייייייייייייייייייייייייייייייייייי	207 33		22 100	300 00	26 151	10 460	10001	0		0 0 0	000	101	A 0 C A	000
All species	02,/35	79,610	33,100	30,326	161,02	18.462	13.03	2,58	4 TI 1	777	1116	7	7X/ 7	743.764

Table 33.--Net annual growth of sawtimber (International 4-inch rule) on State and privately owned timberland in Idaho by species and diameter class, 1980

	All classes	1 1 1	313,478	36,474 62,167	330	44,3//	12,936	17,029	35,607	958,279	12,973	10,063	23,036	981,315
	29.0+	1	1,414 6,478	2,496 10	1 1	656 7 991	37	1,339	542 6,006	26,969	1	1,412	1,412	28,381
	27.0- 28.9	1	1,681 2,315	-1,830	1 0	-38 2 678	28	902	511 1,295	7,346	16	242	258	7,604
	25.0- 26.9	rule	4,144	455	1 6	634	403	921	626 972	16,859	;	362	362	17,221
qht)	23.0-24.9	board feet, International 4-inch	5,1194,575	667 11	1 6	-3,004	50	1,021	730 594	12,735	22	1,086	1,108	13,843
east hei	21.0-	rnationa	9,930	2,204 173	1 0	1,486	163	1,386	$1,515 \\ 1,989$	34,257	196	984	1,180	35,437
es at bro	19.0- 20.9	et, Inte	19,279 14,435	2,393 588	16	2,362	681	1,171	2,218 2,988	55,967	133	-180	-47	55,920
ss (inch	17.0- 18.9	board fe	28,129 14,412	4,250 -1,037	1 1	3,451	442	984	3,367	71,710	338	1,838	2,176	73,886
Diameter class (inches at breast height	15.0- 16.9	Thousand	41,721 18,785	3,131 2,463	1 5	3,914	1,956	1,677	3,749 7,457	107,966	743	-823	-80	107,886
Di	13.0- 14.9	1 1 1	55,052 23,751	4,545	35	9,668	2,737	2,323	6,191 9,102	153,144	801	1,936	2,737	155,881
	11.0-	1	59,497 26,088	5,268 19,348	1 1	10,/0/ 38,802	2,382	2,738	7,488	181,063	10,724	3,206	13,930	194,993
	9.0-	1 1 1	87,512 19,510	12,895 38,384	279	14,541	4,057	2,763	8,670 24,552	290,263	XXXX	XXXXX	XXXXX	290,263
	Species		Douglas-fir Ponderosa pine	Western white pine Lodgepole pine	Limber pine	Western larch Grand fir	Subalpine fir	Engelmann spruce	Western hemlock Western redcedar	Total softwoods	Aspen	Cottonwood	Total hardwoods	All species

Table 34.--Net annual growth of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by species and diameter class, 1980

			Dian	Diameter class	ss (inches	at	breast height	ght)				
Species	9.0-	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0-	21.0-	23.0-24.9	25.0-	27.0-	29.0+	All classes
			1	1	Thousan	Thousand board	feet, Scribner rule	ribner r	ule	1		1
Douglas-fir	77,814	53,825	50,001	37,713	25,466	17,377	8,838	4,557	3,688	1,496	1,258	282,033
Ponderosa pine Western white pine	13,088	5, 123	4,402	2,785	3.916	12,081	2,756	4,356	4,190	2,0,2	5,858	33,714
Lodgepole pine	34,672	17,799	2,300	2,312	-884	523	154	10	2		, 0 1 0	56,894
Limber pine	248	1	32	1	1	15	1	1	-	!	;	295
Western larch	12,688	9,823	9,001	3,853	3,202	2,189	1,374	-2,658	564	-34	584	40,586
Grand fir	65,936	36,047	34,563	21,362	12,657	8,916	4,964	2,647	3,750	2,384	7,111	200,337
Subalpine fir	3,770	2,350	2,507	1,788	404	621	146	44	358	26	33	12,047
Engelmann spruce	2,478	2,471	2,093	1,520	893	1,053	1,234	606	820	628	1,191	15,290
Western hemlock	7,727	6,949	5,927	3,467	2,997	1,973	1,409	999	557	455	482	32,608
Western redcedar	21,757	7,264	7,241	5,898	3,354	2,747	1,919	630	886	1,179	5,418	58,29
Total softwoods	252,372	164,548	139,059	97,609	64,718	50,245	30,814	11,760	15,218	6,577	24,165	857,085
Aspen Cottonwood	XXXXX	8,215 2,947	745	691 -603	313	119	174 887	20 970	322	14 216	1,257	10,291 9,384
Total hardwoods	XXXXX	11,162	2,530	88	2,023	12	1,061	066	322	230	1,257	19,675
All species	252,372	175,710 141,5	141,589	47 697	11/2 99	730 03	21 075	10 750	15 540	700 3	00 100	026 260

Table 35.--Annual mortality of growing stock on State and privately owned timberland in Idaho by ownership class and species, 1980

		Ownershi	p class	
Species	State	Forest industry	Nonindustrial private	Total
			OWING STOCK and cubic feet -	
Douglas-fir Ponderosa pine Western white pine Lodgepole pine	613 219 2,072 366	1,490 1,336 1,796 561	3,089 1,485 1,014 851	5,192 3,040 4,882 1,778
Limber pine Western larch Grand fir Subalpine fir Engelmann spruce Western hemlock Western redcedar	234 489 138 147 32 24	961 2,592 214 632	1,312 2,994 481 277 153	2,507 6,075 619 147 523 809
Total softwoods	4,334	9,582	11,656	25,572
Aspen Cottonwood	89 14	_1	1,468 713	1,558 727
Total hardwoods	103	1	2,181	2,285
All species	4,437	9,583	13,837	27 , 857

Table 36.--Annual mortality of sawtimber (International ½-inch rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

		Ownership	class	
Species	State	Forest industry	Nonindustrial private	Total
		S	AWTIMBER	
	- Thousand	board feet	, International	¼-inch rule -
Douglas-fir Ponderosa pine Western white pine Lodgepole pine Limber pine Western larch Grand fir Subalpine fir Engelmann spruce Western hemlock Western redcedar	3,335 1,128 12,241 1,020 1,208 2,696 626 886 156 138	4,931 6,993 2,714 3,227 4,008 10,689 966 2,168	13,013 7,019 3,366 2,653 3,536 11,445 2,035 1,326 770	21,279 15,140 18,321 6,900 8,752 24,830 2,661 886 2,448 3,076
Total softwoods	23,434	35,696	45,163	104,293
Aspen Cottonwood	101 66		3,468	101 3,534
Total hardwoods	167		3,468	3,635
All species	23,601	35,696	48,631	107,928

Table 37.--Annual mortality of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

		Ownership	class	
Species	State	Forest industry	Nonindustrial private	Total
			AWTIMBER	
	The	ousand board	d feet, Scribner	rule
Douglas-fir Ponderosa pine Western white pine Lodgepole pine	2,893 943 10,688 861	4,198 5,719 2,378 2,685	10,876 5,685 2,879 2,323	17,967 12,347 15,945 5,869
Limber pine Western larch Grand fir Subalpine fir Engelmann spruce Western hemlock Western redcedar	1,019 2,341 524 777 125	3,475 9,153 742 1,811	3,143 9,749 1,715 1,050 594	7,637 21,243 2,239 777 1,917 2,515
Total softwoods	20,281	30,161	38,014	88,456
Aspen Cottonwood	88 57		2,997	88 3,054
Total hardwoods	145		2,997	3,142
All species	20,426	30,161	41,011	91,598

Table 38.--Annual mortality of growing stock on State and privately owned timberland in Idaho by species and diameter class, 1980

				Dia	meter c	lass (i	nches a	t breas	t heigh	nt)				
Species	5.0 - 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+	All classes
						T	housand	cubic	feet -					
Douglas-fir Ponderosa pine Western white pine Lodgepole pine Limber pine Western larch Grand fir Subalpine fir Engelmann spruce	400 139 725 174 414 311	640 73 1,076 393 383 759	788 154 34 347 569 909 281	516 604 549 34 1,145 338	1,042 405 821 577 10 538	376 1,037 150 453 824 49	532 288 249 287 932 66	56 343 273 	44 35 	371 326 161 590 323 32	36 181 	59 418 54 	332 14 175 26	5,192 3,040 4,882 1,778 2,507 6,075 619
Western hemlock Western redcedar		 171	309	214 157				20	237	- - 224			 	523 809
Total softwoods	2,163	3,495	3,391	3,557	3,393	2,889	2,354	692	316	2,027	217	531	547	25,572
As pen Cottonwood	509 	896	135	18		540		187						1,558 727
Total hardwoods	509	896	135	18		540		187						2,285
All species	2,672	4,391	3,526	3,575	3,393	3,429	2,354	879	316	2,027	217	531	547	27,857

Table 39.--Annual mortality of sawtimber (International 4-inch rule) on State and privately owned timberland in Idaho by species and diameter class, 1980

			Dia	meter cla	ss (inch	nes at b	reast h	eight)				
Species	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0 - 24.9	25.0- 26.9	27.0- 28.9	29.0+	All classes
				Thousand	board 1	eet, Ir	nternati	onal 4-	inch rul	e		
Douglas-fir Ponderosa pine Western white pine Lodgepole pine Limber pine Western larch Grand fir Subalpine fir Engelmann spruce Western hemlock Western redcedar	2,837 461 144 2,005 1,686 3,359 862 1,482	2,629 2,666 3,054 207 6,076 1,799 966 790	5,534 2,305 4,756 3,318 58 2,893 	2,050 5,921 899 2,738 4,373 288	2,961 1,723 1,528 1,577 4,828 389	339 2,154 1,351 118	269 228 1,117	2,148 1,970 1,024 3,697 1,552 209 1,051	230 1,150 	371 2,496 366 	1,911 94 1,116 170 	21,279 15,140 18,321 6,900 8,752 24,830 2,661 886 2,448 3,076
Total softwoods	12,836	18,187	18,864	16,269	13,006	3,962	1,614	11,651	1,380	3,233	3,291	104,293
Aspen Cottonwood		101		2,661		<u></u> 873						101 3,534
Total hardwoods		101		2,661		873						3,635
All species	12,836	18,288	18,864	18,930	13,006	4,835	1,614	11,651	1,380	3,233	3,291	107,928

Table 40.--Annual mortality of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by species and diameter class, 1980

			n:	ameter c	lacs (in	chos at	broast	height)				
C				ameter C	1455 (111	ches ac	Drease					
Species	9.0 - 10.9	11.0- 12.9	13.0~ 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+	All classes
	10.9	12.9	14.9	10.9	10.9	20.9		24.5		20.7		
				T	housand	board f	eet, Sc	ribner r	ule			
Douglas-fir	2,227	2,130	4,623	1,746	2,554	299	240	1,912	205	330	1,701	17,967
Ponderosa pine	279	1,961	1,916	4,938	1,468			1,701			84	12,347
Western white pine	114	2,500	4,128	782	1,356	1,917		911	1,023	2,221	993	15,945
Lodgepole pine	1,623		2,849		1,397							5,869
Limber pine Western larch	1 501	15/	44	2 227				2 205		326		7,637
Grand fir	1,501 2,816	154 5,015	2,446	2,327 3,808	4,240	1 102	202	3,285 1,381		320	152	21,243
Subalpine fir	760	1,479	2,440	3,000	4,240	1,183	202	1,301			132	2,239
Engelmann spruce				250	341			186				777
Western hemlock	1,176	741										1,917
Western redcedar		610				94	933	878				2,515
Total softwoods	10,496	14,590	16,006	13,851	11,356	3,493	1,375	10,254	1,228	2,877	2,930	88,456
Aspen	XXXXX	88										88
Cottonwood	XXXXX			2,293		761						3,054
Total hardwoods	XXXXX	88		2,293		761						3,142
All species	10,496	14,678	16,006	16,144	11,356	4,254	1,375	10,254	1,228	2,877	2,930	91,598

Table 41.--Annual mortality of growing stock on State and privately owned timberland in Idaho by cause of death and species, 1980

				Cau	ise of Dea	th			
Species	Insects	Disease	Fire	Animal	Weather	Suppression	Logging	Unknown	Total
					GROWIN	IG STOCK			
					Thousand	cubic feet -			
Douglas-fir	341	1,714	40		2,017			1,080	5,192
Ponderosa pine	1,796	642			193	53	22	334	3,040
Western white pine	821	4,014					47		4,882
Lodgepole pine	544	839				393		2	1,778
Limber pine									
Western larch	1,160	643			278		15	411	2,507
Grand fir	2,342	3,243			198		76	216	6,075
Subalpine fir	14	17						588	619
Engelmann spruce					118			29	147
Western hemlock					23		214	286	523
Western redcedar		157			482		170		809
Total softwoods	7,018	11,269	40		3,309	446	544	2,946	25,572
Aspen		1,183					18	357	1,558
Cottonwood								727	727
Total hardwoods		1,183					18	1,084	2,285
All species	7,018	12,452	40		3,309	446	562	4,030	27,857

Table 42.--Annual mortality of sawtimber (International 4-inch rule) on State and privately owned timberland in Idaho by cause of death and species, 1980

				Cau	se of Dea	ith			
Species	Insects	Disease	Fire	Animal	Weather	Suppression	Logging	Unknown	Total
						ITIMBER			
			- Thou	sand boa	rd feet,	International	½-inch ı	rule	
Douglas-fir	1,824	5,606	248		11,172			2,429	21,279
Ponderosa pine	9,208	3,670			914		103	1,245	15,140
Western white pine	3,951	14,370							18,321
Lodgepole pine	2,065	4,835							6,900
Limber pine									
Western larch	5,055	917			366			2,414	8,752
Grand fir	9,654	13,799			274			1,103	24,830
Subalpine fir	77	96						2,488	2,661
Engelmann spruce					714			172	886
Western hemlock		700			113		966	1,369	2,448
Western redcedar		790			2,286				3,076
Total softwoods	31,834	44,083	248		15,839		1,069	11,220	104,293
Aspen							101		101
Cottonwood								3,534	3,534
Total hardwoods							101	3,534	3,635
All species	31,834	44,083	248		15,839		1,170	14,754	107,928

Table 43.--Annual mortality of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by cause of death and species, 1980

	Cause of Death									
Species	Insects	Disease	Fire	Animal	Weather	Suppression	Logging	Unknown	Total	
						TIMBER				
				Inousar	nd board t	eet, Scribner	rule			
Douglas-fir	1,515	4,744	221		9,617			1,870	17,967	
Ponderosa pine	7,655	3,062			698		79	853	12,347	
Western white	3,474	12,471							15,945	
Lodgepole pine	1,824	4,045							5,869	
Limber pine										
Western larch	4,473	787			326			2,051	7,637	
Grand fir	8,276	11,823			244			900	21,243	
Subalpine fir	61	80						2,098	2,239	
Engelmann spruce					627			150	777	
Western hemlock					90		742	1,085	1,917	
Western redcedar		610			1,905				2,515	
Total softwoods	27,278	37,622	221		13,507		821	9,007	88,456	
				-						
Aspen							88		88	
Cottonwood								3,054	3,054	
								0,001		
Total hardwoods							88	3,054	3,142	
All species	27,278	37,622	221		13,507		909	12,061	91,598	

Table 44.--Annual removals¹ of growing stock on State and privately owned timberland in Idaho by ownership class and species, 1980

		Ownership o	class	
Species	State	Forest industry	Nonindustrial private	Total
			GROWING STOCK	
		The	ousands cubic feet	
Douglas-fir	6,363	26,555	16,677	49,595
Engelmann spruce	880	3,670	2,305	6,855
Lodgepole pine	2,442	10,193	6,401	19,036
Ponderosa pine	3,366	14,048	8,822	26,236
True firs²	7,362	30,722	19,293	57,377
Western larch	1,730	7,220	4,534	13,484
Western hemlock	450	1,880	1,181	3,511
Western redcedar	3,830	15,982	10,036	29,848
Western white pine	2,639	11,015	6,918	20,572
Other species	90	374	236	700
Total	29,152	121,659	76,403	227,214

¹Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, houselogs, posts and poles, logging residues, and other removals.

Table 45.--Annual removals1 of sawtimber (International 1/4-inch rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

		Ownership o	class	
Species	State	Forest industry	Nonindustrial private	Total
			SAWTIMBER	
	- Thousar	nd board fee	et - Internationa	l ¼-inch rule
Douglas-fir Engelmann spruce Lodgepole pine Ponderosa pine	36,545 5,051 14,027	152,572 21,089 58,562	96,261 13,306 36,948 50,922	285,378 39,446 109,537 150,967
True firs ² Western larch Western hemlock	19,333 42,279 9,936 2,587	80,712 176,512 41,482 10,801	111,363 26,171 6,814	330,154 77,589 20,202
Western redcedar Western white pine Other species	21,995 15,159 516	91,825 63,285 2,153	57,933 39,927 1,358	171,753 118,371 4,027
Total	167,428	698,993	441,003	1,307,424

¹Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, houselogs, posts and poles, logging residues, and other removals.

²Includes grand and subalpine fir.

²Includes grand and subalpine fir.

Table 46.--Annual removals of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

		Ownership	class	
Species	State	Forest industry	Nonindustrial private	Total
			SAWTIMBER	
		Thousand bo	ard feet - Scribne	r rule
Douglas-fir	30,338	126,714	79,548	236,600
Engelmann spruce	4,193	17,515	10,995	32,703
Lodgepole pine	11,645	48,637	30,533	90,815
Ponderosa pine	16,049	67,033	42,082	125,164
True firs²	35,098	146,595	92,030	273,723
Western larch	8,248	34,452	21,628	64,328
Western hemlock	2,148	8,970	5,632	16,750
Western redcedar	18,259	76,263	47,877	142,399
Western white pine	12,584	52,559	32,996	98,139
Other species	428	1,788	1,122	3,338
Total	138,990	580,526	364,443	1,083,959

¹Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, houselogs, posts and poles, logging residues, and other removals.

Table 47.--Annual removals of growing stock on State and privately owned timberland in Idaho by source and ownership class, 1980

		<u> </u>		
		Ownership	class	
Source	State	Forest industry	Nonindustrial private	Total
			ROWING STOCK sand cubic feet -	
Roundwood products: Sawlogs Veneer logs	15,527 5,420	55,091 27,280	53,521 1,221	124,139 33,921
Total	20,947	82,371	54,742	158,060
Other roundwood products: Pulpwood Cedar products Utility poles Houselogs Posts and poles	3,209 732 771 79 69	22,825 2,244 80 51 131	11,194 1,126 392 59 125	37,228 4,102 1,243 189 325
Total	4,860	25,331	12,896	43,087
Total roundwood products	25,807	107,702	67,638	201,147
Logging residues Other removals	3,048	12,720 1,237	7,988 777	23,756 2,311
Total removals	29,152	121,659	76,403	227,214

²Includes grand and subalpine fir.

Table 48.--Annual removals of sawtimber (International ½-inch rule) on State and privately owned timberland in Idaho by source and ownership class, 1980

		Ownership	class	
Source	State	Forest industry	Nonindustrial private	Total
			SAWTIMBER sand board feet tional ½-inch rul	e
Roundwood products: Sawlogs Veneer logs	96,848 33,807	343,625 170,157	333,832 7,616	774,305 211,580
Total	130,655	513,782	341,448	985,885
Other roundwood products: Pulpwood Cedar products Utility poles Houselogs Posts and poles	17,712 3,403 3,585 367 285	125,982 10,433 372 237 540	61,785 5,235 1,822 274 516	205,479 19,071 5,779 878 1,341
Total	25,352	137,564	69,632	232,548
Total roundwood products	156,007	651,346	411,080	1,218,433
Logging residues Other removals	9,571 1,850	39,944 7,703	25,084 4,839	74,599 14,392
Total removals	167,428	698,993	441,003	1,307,424

Table 49.--Annual removals of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by source and ownership class, 1980

		Ownership	class	
Source	State	Forest industry	Nonindustrial private	Total
			SAWTIMBER sand board feet cribner rule	
Roundwood products: Sawlogs Veneer logs	77,638 27,099	275,456 136,398	267,605 6,103	620,699 169,600
Total	104,737	411,854	273,708	790,299
Other roundwood products: Pulpwood Cedar products Utility poles Houselogs Posts and poles	16,043 3,660 3,855 393 138	114,126 11,222 400 256 262	55,972 5,628 1,958 296 250	186,141 20,510 6,213 945 650
Total	24,089	126,266	64,104	214,459
Total roundwood products	128,826	538,120	337,812	1,004,758
Logging residues Other removals	8,518 1,646	35,550 6,856	22,325 4,306	66,393 12,808
Total removals	138,990	580,526	364,443	1,083,959

Table 50.--Area of State and privately owned woodland in Idaho by ownership class, and forest type, 1981

		Ownership	class		
Forest type	State	Forest industry	Nonindustrial private	Total	
			- Acres		
Pinyon-juniper woodland Juniper woodland Western juniper	4,865 27,531 14,195	211 	38,570 62,159 28,545	43,435 89,901 42,740	
Total woodland softwoods	46,591	211	129,274	176,076	
Dak woodland Mountain brush woodland Ripiarian woodland Other west hardwoods	13 5,263 400 5,559	423 795 8,751	19,059 56,729 43,310	13 24,745 57,924 57,620	
Total woodland hardwoods	11,235	9,969	119,098	140,302	
All types	57,826	10,180	248,372	316,378	

Table 51.--Net volume of State and privately owned woodland in Idaho by ownership class and species, 1981

	Ownership class			
Species	State	Forest industry	Nonindustrial private	Total
		Thou	WOODLAND sand cubic feet	
Douglas-fir Western redcedar Aspen Cottonwood Pinyon/juniper	664 3 103 5 31,225	 29	2,634 348 530 71,038	3,298 351 103 535 102,292
Woodland hardwoods Total all species	2,700 34,700	522 551	23,952 98,502	27,174 133,753

Table 52.--Net annual growth of State and privately owned woodland in Idaho by ownership class and species, 1980

Species	State	Forest industry	Nonindustrial private	Total
		Tho	WOODLAND usand cubic feet -	
Douglas-fir Western redcedar Aspen Cottonwood Pinyon/juniper	21 (¹) 4 (¹) 649	 2	82 18 19 1,198	103 18 4 19 1,849
Woodland hardwoods	36	28	987	1,049
Total all species	710	30	2,304	3,044

¹Less than 500 cubic feet.

Table 53.--Annual mortality of State and privately owned woodland in Idaho by ownership class and species, 1980

Species	State	Forest industry	Nonindustrial private	Total
		- Tho	WOODLAND usand cubic feet -	
Douglas-fir				
Western redcedar				
Aspen				
Cottonwood				- -
Pinyon/juniper	77			77
Woodland hardwoods	(1)	1	26	27
Total all species	77	1	26	104

¹Less than 500 cubic feet.

MARKETING ZONE TABLES

Table 54.--Area of State and privately owned timberland in Idaho by marketing zone and ownership class, 1981

		Ownership c	lass	
Marketing zone	State	Forest industry	Nonindustrial private	Total
			- Acres	
Northern Idaho: Panhandle Northern	357,891 356,927	417,423 575,790	857,767 597,089	1,633,081 1,529,806
Total	714,818	993,213	1,454,856	3,162,887
Southern Idaho: Southwestern Southeastern	193,258 121,904	184,673 261	232,473 352,658	610,404 474,823
Total	315,162	184,934	585,131	1,085,227
Total Idaho	1,029,980	1,178,147	2,039,987	4,248,114

Table 55.--Net volume of growing stock on State and privately owned timberland in Idaho by marketing zone and ownership class, 1981

	(
Marketing zone	State	Forest industry	Nonindustrial private	Total
			WING STOCK nd cubic feet -	
Northern Idaho: Panhandle Northern	846,593 983,208	853,098 1,158,350	1,537,274 1,021,449	3,236,965 3,163,007
Total	1,829,801	2,011,448	2,558,723	6,399,972
Southern Idaho: Southwestern Southeastern	347,644 219,284	272,655 374	339,246 383,370	959,545 603,028
Total	566,928	273,029	722,616	1,562,573
Total Idaho	2,396,729	2,284,477	3,281,339	7,962,545

Table 56.--Net volume of sawtimber (International 4-inch rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1981

	01	ass		
Marketing zone	State	Forest industry	Nonindustrial private	Total
		Si	AWTIMBER	
	- Thousand	board feet	, International	½-inch rule -
Northern Idaho: Panhandle Northern	3,939,981 5,041,650	3,560,827 5,041,146	6,061,026 4,411,545	13,561,834 14,494,341
Total	8,981,631	8,601,973	10,472,571	28,056,175
Southern Idaho: Southwestern Southeastern	1,682,927 728,954	1,169,389 1,316	1,511,060 1,294,054	4,363,376 2,024,324
Total	2,411,881	1,170,705	2,805,114	6,387,700
Total Idaho	11,393,512	9,772,678	13,277,685	34,443,875

Table 57.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1981

	(
Marketing zone	State	Forest industry	Nonindustrial private	Total
Northern Idaho: Panhandle Northern	3,364,795 4,349,653	3,007,604 4,291,916	5,041,234 3,707,799	11,413,633 12,349,368
Total	7,714,448	7,299,520	8,749,033	23,763,001
Southern Idaho: Southwestern Southeastern	1,430,518 613,484	980,322 1,096	1,271,831 1,087,533	3,682,671 1,702,113
Total	2,044,002	981,418	2,359,364	5,384,784
Total Idaho	9,758,450	8,280,938	11,108,397	29,147,785

Table 58.--Net annual growth of growing stock on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

		Ownership class			
Marketing zone	State	Forest industry	Nonindustrial private	Total	
	GROWING STOCK Thousand cubic feet				
Northern Idaho: Panhandle Northern	23,962 20,301	29,078 32,737	55,672 32,128	108,712 85,166	
Total	44,263	61,815	87,800	193,878	
Southern Idaho: Southwestern Southeastern	10,262 6,891	9,079 13	8,747 14,394	28,088 21,298	
Total	17,153	9,092	23,141	49,386	
Total Idaho	61,416	70,907	110,941	243,264	

Table 59.--Net annual growth of sawtimber (International $\frac{1}{4}$ -inch rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	State	Forest industry	Nonindustrial private	Total
	- Inousand	board feet,	International	¼-inch rule -
Northern Idaho: Panhandle Northern	107,440 98,477	96,987 118,321	211,241 127,107	415,668 343,905
Total	205,917	215,308	338,348	759,573
Southern Idaho: Southwestern Southeastern	52,145 30,200	47,725 56	42,505 49,111	142,375 79,367
Total	82,345	47,781	91,616	221,742
Total Idaho	288,262	263,089	429,964	981,315

Table 60.--Net annual growth of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

	Ownership class			
Marketing zone	State	Forest industry	Nonindustrial private	Total
Northern Idaho: Panhandle Northern	95,927 86,859	87,575 106,416	190,572 114,269	374,074 307,544
Total	182,786	193,991	304,841	681,618
Southern Idaho: Southwestern Southeastern	45,659 25,960	42,224 49	37,838 43,412	125,721 69,421
Total	71,619	42,273	81,250	195,142
Total Idaho	254,405	236,264	386,091	876,760

Table 61.--Annual mortality of growing stock on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

	Ownership class			
Marketing zone	State	Forest industry	Nonindustrial private	Total
	GROWING STOCK Thousand cubic feet -			
Northern Idaho: Panhandle Northern	1,050 2,908	3,323 5,159	5,827 4,307	10,200 12,374
Total	3,958	8,482	10,134	22,574
Southern Idaho Southwestern Southeastern	368 111	1,098 3	1,198 2,505	2,664 2,619
Total	479	1,101	3,703	5,283
Total Idaho	4,437	9,583	13,837	27,857

Table 62.--Annual mortality of sawtimber (International 4-inch rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

		Ownership class			
Marketing zone	State	Forest industry	Nonindustrial private	Total	
		SAWTIMBER			
	- Thousand		International	$\frac{1}{4}$ -inch rule -	
Northern Idaho:					
Panhandle	4,553	11,852	21,638	38,043	
Northern	16,838_	18,217	16,738	51,793	
Total	21,391	30,069	38,376	89,836	
Co. Albara T.J. ba					
Southern Idaho Southwestern	1,988	5,618	4,380	11,986	
Southeastern	222	9	5,875	6,106	
Total	2,210	5,627	10,255	18,092	
	-				
Total Idaho	23,601	35,696	48,631	107,928	

Table 63.--Annual mortality of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

	Ownership class			
Marketing zone	State	Forest industry	Nonindustrial private	Total
		Sc	SAWTIMBER cribner rule	
Northern Idaho: Panhandle Northern	3,909 14,635	9,940 15,471	18,089 14,216	31,938 44,322
Total	18,544	25,411	32,305	76,260
Southern Idaho: Southwestern Southeastern	1,696 186	4,742 8	3,759 4,947	10,197 5,141
Total	1,882	4,750	8,706	15,338
Total Idaho	20,426	30,161	41,011	91,598

Table 64.--Annual removals of growing stock on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	State	Forest industry	Nonindustrial private	Total
	GROWING STOCKThousand cubic feet			
Northern Idaho: Panhandle Northern	4,932 21,361	21,816 80,072	42,574 28,813	69,322 130,246
Total	26,293	101,888	71,387	199,568
Southern Idaho: Southwestern Southeastern	2,388 471	19,742 29	4,860 156	26,990 656
Total	2,859	19,771	5,016	27,646
Total Idaho	29,152	121,659	76,403	227,214

Table 65.--Annual removals of sawtimber (International $\frac{1}{4}$ -inch rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	State	Forest industry	Nonindustrial private	Total
	SAWTIMBER			
	- Thousand	board feet,	, International	¼-inch rule -
Northern Idaho: Panhandle Northern	28,417 122,252	124,573 458,830	244,842 166,884	397,832 747,966
Tota!	150,669	583,403	411,726	1,145,798
Southern Idaho: Southwestern Southeastern	13,973 2,786	115,417 173	28,359 918	157,749 3,877
Total	16,759	115,590	29,277	161,626
Total Idaho	167,428	698,993	441,003	1,307,424

Table 66.--Annual removals of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	State	Forest industry	Nonindustrial private	Total
Northern Idaho:		So	SAWTIMBER cribner rule	
Panhandle Northern	23,352 102,012	103,810 382,339	202,959 137,543	330,121 621,894
Total	125,364	486,149	340,502	952,015
Southern Idaho: Southwestern Southeastern	11,375 2,251	94,237 140	23,202 739	128,814 3,130
Total	13,626	94,377	23,941	131,944
Total Idaho	138,990	580,526	364,443	1,083,959

COUNTY TABLES

Table 67.--Area of State and privately owned timberland in Idaho by county and ownership class, 1981

Ţ.	J		
County	State	Private	Total
		Acres -	
Northern Idaho:	47 545	074 176	201 701
Benewah	47,545	274,176	321,721
Bonner Boundary	152,261	322,825 144,542	475,086
Clearwater	85,163 222,734	420,181	229,705 642,915
Idaho	61,123	243,949	305,072
Kootenai	31,723	310,571	342,294
Latah	41,199	223,076	264,275
Lewis	1,461	75,266	76,727
Nez Perce	6,959	102,557	109,516
Shoshone	64,650	330,926	395,576
Total	714,818	2,448,069	3,162,887
Southern Idaho:			
Ada	165	3,389	3,554
Adams	28,078	93,860	121,938
Bannock	19,752	31,298	51,050
Bear Lake	1,539	11,653	13,192
Bingham	8,714	42,321	51,035
Blaine	2,930	15,044	17,974
Boise	65,567	98,277	163,844
Bonneville	8,001	35,454 2,265	43,455 2,565
Butte	300 2,198	7,302	9,500
Camas Canyon	2,130	2,634	2,637
Caribou	26,220	52,496	78,716
Cassia	708	4,203	4,911
Clark	5,737	8,785	14,522
Custer	4,074	8,725	12,799
Elmore	13,892	26,800	40,692
Franklin	3,700	17,730	21,430
Fremont	16,321	33,223	49,544
Gem	569	3,418	3,987
Gooding	6	646	652
Jefferson	23	1,599 608	1,622 609
Jerome Lombi	1 4,189	25,263	29,452
Lemhi Lincoln	4,103	352	353
Madison	10,900	10,384	21,284
Minidoka	10,500	489	489
Oneida	810	2,883	3,693
Owyhee	3,252	31,275	34,527
Payette	1	932	933
Power	4,935	16,251	21,186
Teton	844	21,441	22,285
Twin Falls	1	2,504	2,505
Valley	69,805	145,052 11,509	214,857 23,435
Washington	11,926	11,503	
Total	315,162	770,065	1,085,227
Total Idaho	1,029,980	3,218,134	4,248,114
TO CUT TUUTO	1,023,300	0,220,201	

Table 68.--Area of State and privately owned woodland in Idaho by county and ownership class, 1981

County	State	Private	Total
		Acres -	
Northern Idaho:			
Benewah	19	1,703	1,722
Bonner	143	19,847	19,990
Boundary	24	9,106	9,130
Clearwater	20	1,240	1,260
Idaho		3,089	3,089
Kootenai		2,318	2,318
Latah	61	1,331	1,392
Lewis		509	509
Nez Perce		1,218	1,218
Shoshone		1,236	1,236
Total	267	41,597	41,864
Southern Idaho:	252	1 105	=-
Ada	250	1,405	1,655
Adams	150	3,355	3,505
Bannock	2,659	23,408	26,067
Bear Lake	109	5,364	5,473
Bingham	1,041	11,946	12,987
Blaine	92	1,874	1,966
Boise	740	4,458	5,198
Bonneville	940	6,127	7,067
Butte	10	137	147
Camas	32	90	122
Canyon		251	251
Caribou	2,903	9,305	12,208
Cassia	6,176	16,354	22,530
Clark	143	1,110	1,253
Custer	102	788	890
Elmore	815	6,279	7,094
Franklin	700	10,049	10,749
Fremont	186	1,422	1,608
Gem	1	3,136	3,137
Gooding Jefferson		479	479
Jerome			
Lemhi	12	2,254	2,266
Lincoln		0.425	2 000
Madison	834	2,435	3,269
Minidoka	250	C 070	7 120
Oneida	260	6,870	7,130
Owyhee	38,162	66,328	104,490
Payette	707	121	121
Power	797	17,974	18,771
Teton	37	3,303	3,340
Twin Falls	400	1,103	1,103
Valley Washington	406 2	1,068 8,162	1,474 8,164
_			
Total	57,559	216,955	274,514
Total Idaho	57 , 826	258,552	316,378

Table 69.--Net volume of growing stock on State and privately owned timberland in Idaho by county and ownership class, 1981

County	State	Private	Total
		Thousand cubic f	eet
Northern Idaho:	144 024	EEO 440	704 272
Benewah Bonner	144,924 352,852	559,449 584,727	704,373 937,579
Boundary	167,640	248,719	416,359
Clearwater	617,072	780,890	1,397,962
Idaho	148,993	433,591	582,584
Kootenai	80,516	593,589	674,105
Latah	100,661	403,888	504,549
Lewis	2,889	110,479	113,368
Nez Perce	13,736	147,488	161,224
Shoshone	200,518	707,351	907,869
Total	1,829,801	4,570,171	6,399,972
Southern Idaho:			
Ada	238	4,653	4,891
Adams	60,307	137,184	197,491
Bannock	39,411	31,970	71,381
Bear Lake	2,509	10,975	13,484
Bingham	14,192	39,737	53,929
Blaine	6,304	22,679	28,983
Boise	96,181	150,759	246,940
Bonneville	12,459	34,179	46,638
Butte	454	3,250	3,704
Camas	5,910	8,524	14,434
Canyon	2	3,114	3,116
Caribou Cassia	44,164 1,368	51,804 4,209	95,968 5,577
Clark	11,374	10,301	21,675
Custer	8,812	14,470	23,282
Elmore	20,301	35,764	56,065
Franklin	6,074	9,934	16,008
Fremont	25,680	42,625	68,305
Gem	877	4,697	5,574
Gooding	3	706	709
Jefferson	13	1,561	1,574
Jerome	(1)	345	345
Lemhi	8,558	38,633	47,191
Lincoln	1	200	201
Madison	17,477	14,255	31,732
Minidoka	1 207	278	278
Oneida Owyhee	1,387 4,744	1,438 34,116	2,825 38,860
Payette	4,744	1,174	1,175
Power	11,530	15,620	27,150
Teton	1,603	23,969	25,572
Twin Falls	1	2,082	2,083
Valley	139,327	223,234	362,561
Washington	25,666	17,206	42,872
Total	566,928	995,645	1,562,573
otal Idaho	2,396,729	5,565,816	7,962,545

Table 70.--Net volume of sawtimber (International $\frac{1}{4}$ -inch rule) on State and privately owned timberland in Idaho by county and ownership class, 1981

	State	Private	Total
		Thousand board f	
	In	ternational ¼-inc	h rule
Northern Idaho:	702 640	2 222 151	2 025 700
Benewah Bonner	702,648 1,613,105	2,323,151 2,170,629	3,025,799 3,783,734
Boundary	744,222	930,726	1,674,948
Clearwater	3,202,570	3,379,310	6,581,880
Idaho	766,746	1,936,534	2,703,280
Kootenai	364,395	2,440,992	2,805,387
Latah	515,611	1,756,355	2,271,966
Lewis	14,319	488,973	503,292
Nez Perce	70,703	651,035	721,738
Shoshone	987,312	2,996,839	3,984,151
Total	8,981,631	19,074,544	28,056,175
Southern Idaho:			
Ada	1,122	21,204	22,326
Adams	298,961	605,730	904,691
Bannock	148,766	97,511	246,277
Bear Lake	7,750	32,769	40,519
Bingham	38,071	126,616	164,687
Blaine	24,220	102,225	126,445
Boise	456,377	678,228	1,134,605
Bonneville Butte	33,872 1,759	97,167 14,834	131,039 16,593
Camas	27,257	34,558	61,815
Canyon	7	14,132	14,139
Caribou	136,761	137,795	274,556
Cassia	5,113	16,866	21,979
Clark	42,689	32,444	75,133
Custer	35,835	67,918	103,753
Elmore	95,845	159,320	255,165
Franklin	18,871	17,967	36,838
Fremont	72,713	140,374	213,087
Gem Gooding	4,155 16	21,935 3,391	26,090 3,407
Jefferson	62	6,863	6,925
Jerome	2	1,634	1,636
Lemhi	32,103	178,401	210,504
Lincoln	4	946	950
Madison	45,608	53,292	98,900
Minidoka	₩ =	1,315	1,315
Oneida	4,946	4,468	9,414
0wyhee	22,362	111,129	133,491
Payette	4	5,652	5,656
Power	46,521	46,265	92,786
Teton Twin Falls	6,012 3	72,362 7,389	78,374 7,392
Valley	677,075	984,742	1,661,817
Washington	127,019	78,377	205,396
Total	2,411,881	3,975,819	6,387,700
		23,050,363	34,443,875

Table 71.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by county and ownership class, 1981

Northern Idaho: Benewah	Private Total
Benewah Bonner Bonner Bonner Boundary B	rd feet, Scribner rule
Bonner 1,376,750 1, Boundary 630,553 Clearwater 2,764,419 2, Idaho 660,663 1, Kootenai 309,346 2, Latah 443,848 1, Lewis 12,268 Nez Perce 60,837 Shoshone 851,466 2, Total 7,714,448 16, Southern Idaho: Ada 939 Adams 256,596 Bannock 125,498 Bear Lake 6,526 Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	
Boundary Clearwater Clear	949,797 2,554,095
Clearwater	801,953 3,178,703
Idaho	771,530 1,402,083
Kootenai 309,346 2, Latah 443,848 1, Lewis 12,268 12,268 Nez Perce 60,837 2, Shoshone 851,466 2, Total 7,714,448 16, Southern Idaho: Ada 939 Adams 256,596 Bannock 125,498 Bear Lake 6,526 Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome	872,267 5,636,686
Latah Lewis Lewis Nez Perce Shoshone Total	646,814 2,307,477
Lewis Nez Perce 60,837 Shoshone 851,466 2, Total 7,714,448 16, Southern Idaho: Ada 939 Adams 256,596 Bannock 125,498 Bear Lake 6,526 Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	039,307 2,348,653
Nez Perce Shoshone 60,837 851,466 2, Total 7,714,448 16, Southern Idaho: Ada 939 Adams 256,596 Bannock 125,498 6,526 Bingham 31,977 81aine 20,387 Boise 382,022 80nneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 0 Owyhee 18,781 2 Payette 3 39,327 Teton 5,053 Twin Falls	486,251 1,930,099
Shoshone 851,466 2, Total 7,714,448 16, Southern Idaho: 939 Adams 256,596 Bannock 125,498 Bear Lake 6,526 Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls<	410,876 423,144
Total 7,714,448 16, Southern Idaho: Ada 939 Adams 256,596 Bannock 125,498 Bear Lake 6,526 Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	547,299 608,136 532,450 3,272,035
Southern Idaho: 939 Ada 939 Adams 256,596 Bannock 125,498 Bear Lake 6,526 Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls	522,459 3,373,925
Ada 939 Adams 256,596 Bannock 125,498 Bear Lake 6,526 Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556	048,553 23,763,001
Ada 939 Adams 256,596 Bannock 125,498 Bear Lake 6,526 Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556	
Adams 256,596 Bannock 125,498 Bear Lake 6,526 Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington	17 022
Bannock 125,498 Bear Lake 6,526 Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	17,923 18,862 509,506 765,102
Bear Lake 6,526 Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	508,506 765,102 81,293 206,791
Bingham 31,977 Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	
Blaine 20,387 Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	27,578 34,104 106,570 138,547
Boise 382,022 Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	86,920 107,307
Bonneville 28,390 Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	569,844 951,866
Butte 1,482 Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	81,113
Camas 23,134 Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	12,561 14,043
Canyon 6 Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	29,040 52,174
Caribou 114,962 Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	12,035
Cassia 4,304 Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	114,837 229,799
Clark 35,935 Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	14,287 18,591
Custer 30,219 Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	27,077 63,012
Elmore 80,149 Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	57,678 87,897
Franklin 15,865 Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	134,000 214,149
Fremont 60,950 Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	15,000 30,865
Gem 3,473 Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	117,199 178,149
Gooding 14 Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	18,607 22,080
Jefferson 52 Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	2,907 2,921
Jerome 1 Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	5,886 5,938
Lemhi 27,028 Lincoln 3 Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	1,380 1,381
Lincoln Madison Madison Minidoka Oneida Owyhee 18,781 Payette 3 Power Teton Twin Falls Valley Valley Washington 38,209 4,166 39,327 5,053 79,556 Washington 108,993	151,131 178,159
Madison 38,209 Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	799 802
Minidoka Oneida 4,166 Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	45,045 83,254
Owyhee 18,781 Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	1,111 1,111
Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	3,810 7,976
Payette 3 Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	93,160 111,941
Power 39,327 Teton 5,053 Twin Falls 2 Valley 579,556 Washington 108,993	4,860 4,863
Twin Falls 2 Valley 579,556 Washington 108,993	38,564 77,891
Valley 579,556 Washington 108,993	60,587 65,640
Washington 108,993	6,256 6,258
	827,070 1,406,626
Total 2.044.002 3.	66,148 175,141
	,340,782 5,384,784
Total Idaho 9,758,450 19,	,389,335 29,147,785

Table 72.--Net annual growth of growing stock on State and privately owned timberland in Idaho by county and ownership class, 1980

County	State	Private	Total
		Thousand cubic fe	et -
Northern Idaho:			
Benewah	3,230	18,914	22,144
Bonner	10,606	22,634	33,240
Boundary	5,462	10,028	15,490
Clearwater	12,378	22,041	34,419
Idaho	3,308	10,507	13,815
Kootenai	2,452	20,607	23,059
Latah	2,212	12,567	14,779
Lewis	74	3,914	3,988
Nez Perce	302	5,190	5,492
Shoshone	4,239	23,213	27,452
Total	44,263	149,615	193,878
Sauthana Tdaha			
Southern Idaho: Ada	9	124	122
Adams	1,737	4,142	133
			5,879
Bannock	1,155	1,276	2,431
Bear Lake	84	462	546
Bingham	510	1,634	2,144
Blaine	187	631	818
Boise	3,105	4,071	7,176
Bonneville	458	1,431	1,889
Butte	13	85	98
Camas	133	262	395
Canyon		99	99
Caribou	1,553	2,207	3,760
Cassia	40	156	196
Clark	320	389	709
Custer	234	373	607
Elmore	666	952	1,618
Franklin	214	559	773
Fremont	741	1,557	2,298
Gem	29	121	150
Gooding		24	24
Jefferson	1	56	57
Jerome		14	14
Lemhi	247	1,016	1,263
Lincoln	2 4 7	8	1,203
Madison	603	498	
	603		1,101
Minidoka	4.4	11	11
Oneida	44	77	121
0wyhee	144	1,312	1,456
Payette		38	38
Power	308	644	952
Teton	46	951	997
Twin Falls		86	86
Valley	3,835	6,542	10,377
Washington	737	425	1,162
Total	17,153	32,233	49,386
Total Idaha	61 416	101 040	242 264
Total Idaho	61,416	181,848	243,264

Table 73.--Net annual growth of sawtimber (International ¼-inch rule) on State and privately owned timber-land in Idaho by county and ownership class, 1980

County	State	Private 	Total
		nousand board fe	
	Inter	rnational ¼-inch	n rule
Northern Idaho:			
Benewah	14,210	68,334	82,544
Bonner	49,005	79,552	128,557
Boundary	22,776	34,482	57,258
Clearwater	61,129	82,229	143,358
Idaho	16,417	43,553	59,970
Kootenai Latah	10,905 10,544	78,014	88,919
Lewis	320	47,846 15,404	58,390
Nez Perce	1,451	20,219	15,724 21,670
Shoshone	19,160	84,023	103,183
Total	205,917	553,656	759,573
Southern Idaho:			
Ada	42	580	622
Adams	8,697	21,743	30,440
Bannock	5,386	4,267	9,653
Bear Lake	324	1,338	1,662
Bingham	1,955	5,035	6,990
Blaine	964	2,800	3,764
Boise	16,509	21,359	37,868
Bonneville	1,878	4,294	6,172
Butte	68	392	460
Camas	719	1,044	1,763
Canyon	1	418	419
Caribou	6,474	6,308	12,782
Cassia	192	599	791
Clark	1,544	1,419	2,963
Custer	1,183	1,836	3,019
Elmore	3,542	4,512	8,054
Franklin	891	867	1,758
Fremont	3,157	6,018	9,175
Gem	155	595	750 103
Gooding	1	102	216
Jefferson	2	214	216 56
Jerome Lambi	1 102	56 4,941	6,124
Lemhi Lincoln	1,183	4,941	32
	2,304	1,996	4,300
Madison Minidoka	2,304	45	45
Oneida	199	146	345
Owyhee	751	4,607	5,358
Payette	751	165	165
Power	1,553	2,032	3,585
Teton	223	3,115	3,338
Twin Falls		271	271
Valley	18,770	34,153	52,923
Washington	3,678	2,098	5,776
Total	82,345	139,397	221,742
Total Idaho	288,262	693,053	981,315

Table 74.--Net annual growth of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by county and ownership class, 1980

County	State	Private	Total
	- Thousand	board feet,	Scribner rule -
lorthern Idaho:			
Benewah	12,716	62,121	74,837
Bonner	43,759	71,568	115,327
Boundary	20,420	31,056	51,476
Clearwater Idaho	53,791	73,412	127,203
Kootenai	14,481 9,779	39,454 70,886	53,935
Latah	9,253	42,516	80,665 51,769
Lewis	282	13,546	13,828
Nez Perce	1,274	17,826	19,100
Shoshone	17,031	76,447	93,478
Total	182,786	498,832	681,618
Southern Idaho:			
Ada	36	516	552
Adams	7,700	19,284	26,984
Bannock	4,662	3,746	8,408
Bear Lake	278	1,181	1,459
Bingham	1,635	4,457	6,092
Blaine	844 14,120	2,522 18,968	3,366 33,088
Boise Bonneville	1,568	3,767	5,335
Butte	59	350	409
Camas	631	927	1,558
Canyon	1	376	377
Caribou	5,449	5,519	10,968
Cassia	166	533	699
Clark	1,353	1,245	2,598
Custer	1,046	1,654	2,700
Elmore	3,022	4,021	7,043
Franklin	747	756	1,503
Fremont	2,785	5,296	8,081
Gem	132	533	665
Gooding	1	91	92 194
Jefferson	2	192 48	48
Jerome Lemhi	1,046	4,439	5,485
Lincoln	1,040	28	28
Madison	1,968	1,778	3,746
Minidoka	1,500	39	39
Oneida	171	130	301
Owyhee	647	4,062	4,709
Payette		150	150
Power	1,353	1,781	3,134
Teton	196	2,744	2,940
Twin Falls		238	238
Valley	16,742	30,283	47,025
Washington	3,259	1,869	5,128
Total	71,619	123,523	195,142

Table 75.--Annual mortality of growing stock on State and privately owned timberland in Idaho by county and ownership class, 1980

County	State	Private	Total
		- Thousand cubic f	eet
Northern Idaho:			
Benewah	210	2,947	3,157
Bonner	184	1,642	1,826
Boundary	166	544	710
Clearwater	2,112	2,540	4,652
Idaho	496	2,392	2,888
Kootenai	107	2,886	2,993
Latah	383	1,131	1,514
Lewis	11	323	334
Nez Perce	51	420	471
Shoshone	238	3,791	4,029
Total	3,958	18,616	22,574
Southern Idaho:			
Ada		13	13
Adams	49	514	563
Bannock	14	251	265
Bear Lake	3	79	82
Bingham	5	278	283
Blaine	4	76	80
Boise	15	521	536
Bonneville		270	270
Butte	1	9	10
Camas	1	36	37
Canyon		7	7
Caribou	22	426	448
Cassia	3 3 9 3 2	18	21
Clark	3	79	82
Custer	9	44	53
Elmore	3	112	115
Franklin		79	81
Fremont	21	327	348
Gem		13	13
Gooding		2 5	2 5
Jefferson		5	
Jerome Lemhi	9	128	137
Lincoln		120	157
Madison	5	89	94
Minidoka			
Oneida	1	6	7
Owyhee	3	248	251
Payette		3	3
Power	2	121	123
Teton	6	175	181
Twin Falls		10	10
Valley	274	812	1,086
Washington	24	53	77
Total	479	4,804	5,283
Total Idaho	4,437	23,420	27,857

Table 76.--Annual mortality of sawtimber (International 1/4-rule) on State and privately owned timberland in Idaho by county and ownership class, 1980

County	State	Private	Total
		nousand board fe	
Manaktina T Jata	Inter	national 1-inch	rule
Northern Idaho: Benewah	1,038	10,582	11 620
Bonner	672	5,980	11,620 6,652
Boundary	228	2,099	2,327
Clearwater	12,316	8,943	21,259
Idaho	2,853	9,263	12,116
Kootenai	454	10,640	11,094
Latah	2,161	4,189	6,350
Lewis	57	1,384	1,441
Nez Perce	288	1,766	2,054
Shoshone	1,324	13,599	14,923
Total	21,391	68,445	89,836
Southern Idaho:			
Ada		55	55
Adams	266	2,393	2,659
Bannock	31	611	642
Bear Lake		150	150
Bingham		649	649
Blaine	13	288	301
Boise	59	2,315	2,374
Bonneville	- -	545	545
Butte	1 2	41 - 79	42 81
Camas Canyon		33	33
Caribou	34	744	778
Cassia	8	55	63
Clark	9	189	198
Custer	29	192	221
Elmore	7	401	408
Franklin	2	51	53
Fremont	39	878	917
Gem		57	57
Gooding		7	7
Jefferson Jerome		13	13
Lemhi	27	479	506
Lincoln		- -	500
Madison	1	262	263
Minidoka			
Oneida	1	7	8
0wyhee		619	619
Payette		14	14
Power	4	271	275
Teton	21	358	379
Twin Falls	1 526	15	15 5 425
Valley Washington	1,526 130	3,899 212	5,425 342
Total	2,210	15,882	18,092
Total		10,002	10,072
Total Idaho	23,601	84,327	107,928

Table 77.--Annual mortality of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by county and ownership class, 1980

County	State	Private	Total
	- Thousand	board feet,	Scribner rule
Northern Idaho:			
Benewah	903	8,882	9,785
Bonner	563	4,988	5,551
Boundary	189	1,735	1,924
Clearwater	10,700	7,539	18,239
Idaho	2,472	8,107	10,579
Kootenai	385	8,915	9,300
Latah	1,869	3,509	5,378
Lewis	50	1,148	1,198
Nez Perce	250	1,466	1,716
Shoshone	1,163	11,427	12,590
Total	18,544	57,716	76,260
*			
Southern Idaho: Ada		47	47
Adams	232	2,030	2,262
Bannock	26	510	536
Bear Lake	20	125	125
			546
Bingham	10	546	259
Blaine	10	249	
Boise	50	1,975	2,025
Bonneville		455	455
Butte	1	36	37
Camas	1	68	69
Canyon		29	29
Caribou	29	622	651
Cassia	7	46	53
Clark	8	158	166
Custer	24	166	190
Elmore	6	346	352
Franklin	2	43	45
Fremont	33	733	766
Gem		50	50
Gooding		6	6
Jefferson		11	11
Jerome			
Lemhi	22	414	436
Lincoln			
Madison	1	221	222
Minidoka			
Oneida	1	6	7
Owyhee		518	518
Payette		12	12
Power	3	227	230
Teton	18	300	318
Twin Falls	10	13	13
Valley	1,295	3,311	4,606
Washington	113	183	296
Total	1,882	13,456	15,338
	20,426	71,172	91,598

Table 78.--Annual removals¹ of growing stock on State and privately owned timberland in Idaho by county and ownership class, 1980

County or county groups	State	Private	Total
	Tho	usand cubic fe	et
Northern Idaho:	1 150	14 640	15 705
Benewah	1,152	14,643	15,795
Bonner Boundary	1,199 1,029	13,886 7,341	15,085 8,370
Clearwater	14,510	68,727	83,237
Idaho	4,526	9,019	13,545
Kootenai	231	10,130	10,361
Latah	1,321	18,390	19,711
Lewis and		·	·
Nez Perce	73	4,887	4,960
Shoshone	2,252	26,252	28,504
Total	26,293	173,275	199,568
Southern Idaho:			
Adams	211	7,904	8,115
Boise	860	1,552	2,412
Clark			
Cluster and Lemhi	4	41 947	45
Elmore Fremont	181 423	52	1,128 475
Gem	23	3	26
Teton		71	71
Valley	955	14,123	15,078
Other counties ²	202	94	296
Total	2,859	24,787	27,646
Total Idaho	29,152	198,062	227,214

¹Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, house logs, posts and poles, logging residues, and other removals.

²Includes Ada, Bannock, Bear Lake, Bingham, Blaine, Bonneville, Butte, Camas, Canyon, Caribou, Cassia, Franklin, Gooding, Jefferson, Jerome, Lincoln, Madison, Minidoka, Oneida, Owyhee, Payette, Power, Twin Falls, and Washington Counties.

Table 79.--Annual removals¹ of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by county and ownership class, 1980

County or county groups	State	Private	Total
		usand board feet	
	Inte	rnational ¼-inch	rule
Northern Idaho:	6 671	02 264	00 005
Benewah	6,671	83,364	90,035
Bonner	6,715 6,007	79,660 42,493	86,375
Boundary Clearwater	83,126	395,440	48,500 478,566
Idaho	26,017	52,118	78,135
Kootenai	1,290	58,551	59,841
Latah	7,734	105,347	113,081
Lewis and	, , , , , ,	200,017	210,001
Nez Perce	417	27,907	28,324
Shoshone _	12,692	150,249	162,941
Total	150 660	005 120	1 145 700
10101	150,669	995,129	1,145,798
Southern Idaho:		46.050	47 401
Adams	1,142	46,259	47,401
Boise	5,086	9,175	14,261
Clark Cluster and Lemhi	22	244	266
Elmore	1,071	5,600	6,671
Fremont	2,502	307	2,809
Gem	137	15	152
Teton		418	418
Valley	5,608	82,294	87,902
Other counties ²	1,191	555	1,746
Total _	16,759	144,867	161,626
_			
Total Idaho	167,428	1,139,996	1,307,424

¹Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, house logs, posts and poles, logging residues, and other removals.

²Includes Ada, Bannock, Bear Lake, Bingham, Blaine, Bonneville, Butte, Camas, Canyon, Caribou, Cassia, Franklin, Gooding, Jefferson, Jerome, Lincoln, Madison, Minidoka, Oneida, Owyhee, Payette, Power, Twin Falls, and Washington Counties.

Table 80.--Annual removals1 of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by county and ownership class, 1980

County or county groups	State	Private	Total
	Thousand	board feet,	Scibner rule
Northern Idaho:		50 440	54 500
Benewah	5,373	69,410	74,783
Bonner	5,724	66,248	71,972
Boundary	4,893	35,017	39,910
Clearwater	69,288	328,149	397,437
Idaho	21,616	43,045	64,661
Kootenai	1,103	48,351	49,454
Latah	6,259	87,743	94,002
Lewis and	0.4.0	00.000	00 601
Nez Perce	349	23,332	23,681
Shoshone	10,759	125,356	136,115
Total	125,364	826,651	952,015
Southern Idaho: Adams Boise Clark Custer and Lemhi	992 4,107 17	37,739 7,410 194	38,731 11,517 211
Elmore	865	4,523	5,388
Fremont	2,022	247	2,269
Gem	110	15	125
Teton		339	339
Valley	4,551	67,400	71,951
Other counties ²	962	451	1,413
Total	13,626	118,318	131,944
			······································
Total Idaho	138,990	944,969	1,083,959

¹Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, house logs, posts and poles, logging residues, and other removals.

²Includes Ada, Bannock, Bear Lake, Bingham, Blaine, Bonneville, Butte, Camas, Canyon, Caribou, Cassia, Franklin, Gooding, Jefferson, Jerome, Lincoln, Madison, Minidoka, Oneida, Owyhee, Payette, Power, Twin Falls, and Washington Counties.

Van Hooser, Dwane D.; Green, Alan W. Idaho's State and private forest resource. Resource Bulletin INT-37. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station; 1985. 78 p.

Presents land area, timberland area, timber volume, and components of change for the State and private forest lands in Idaho.

KEYWORDS: forest survey, timberland, inventory volume

The Intermountain Research Station, headquartered in Ogden, Utah, is one of eight Forest Service Research stations charged with providing scientific knowledge to help resource managers meet human needs and protect forest and range ecosystems.

The Intermountain Station's primary area includes Montana, Idaho, Utah, Nevada, and western Wyoming. About 231 million acres, or 85 percent, of the land area in the Station territory are classified as forest and rangeland. These lands include grasslands, deserts, shrublands, alpine areas, and well-stocked forests. They supply fiber for forest industries; minerals for energy and industrial development; and water for domestic and industrial consumption. They also provide recreation opportunities for millions of visitors each year.

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